Kupfertafeln

zu

Perronets Werken.

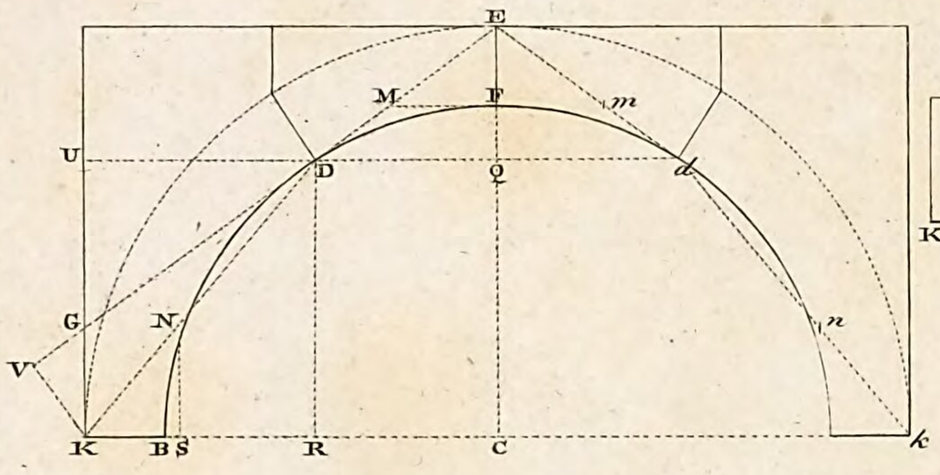
Halle
bey Hemmerde und Schwetschke.

Zu 17522.
13/11

Landes-
bibliothek
Coburg

COBURG

Fig: 1.



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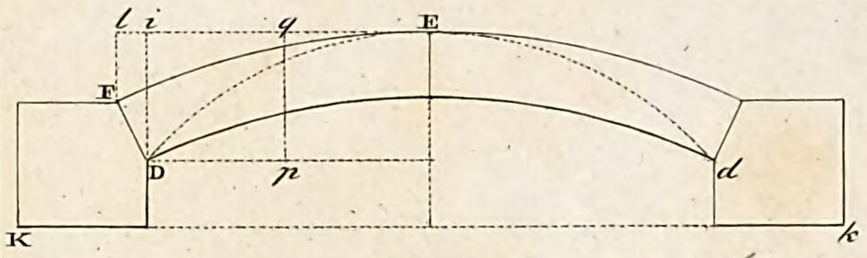

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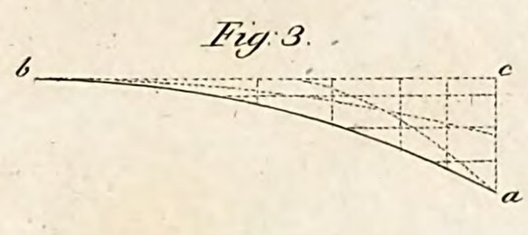

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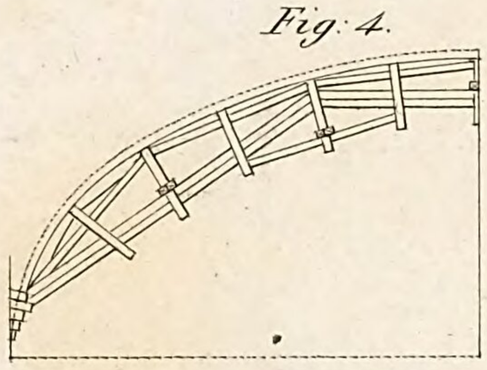

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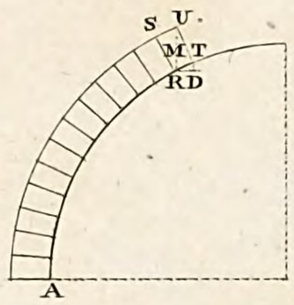

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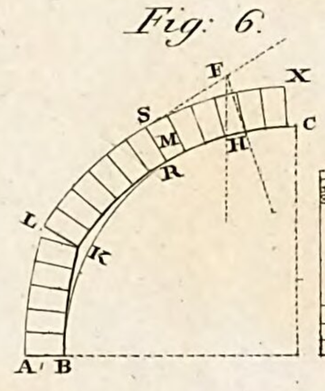

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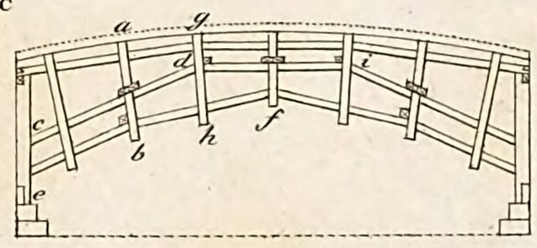
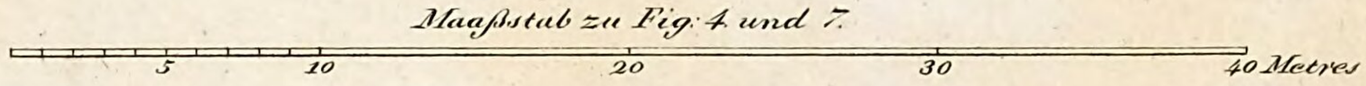


Maaßstab zu Fig: 4 und 7.



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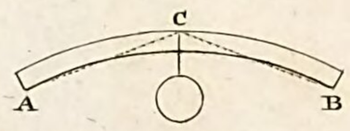

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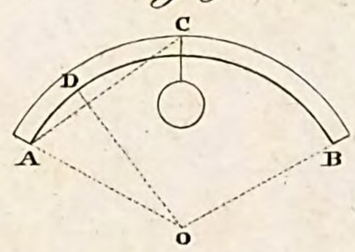

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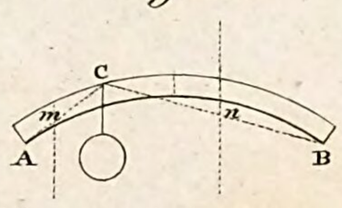

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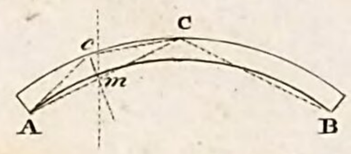

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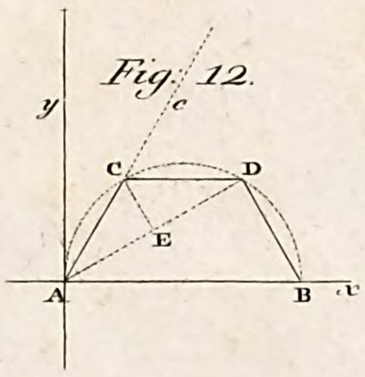

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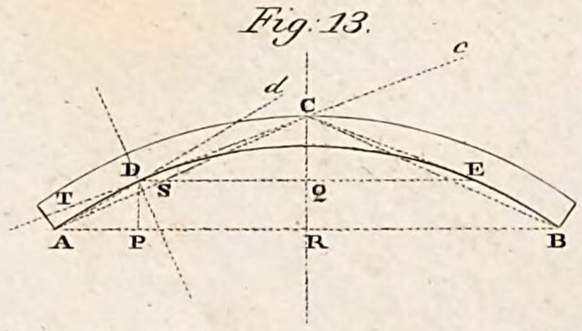


Zum Anhange gehörig.

I.C.Böhme sc.

BIBLIOTHEK
COBURG

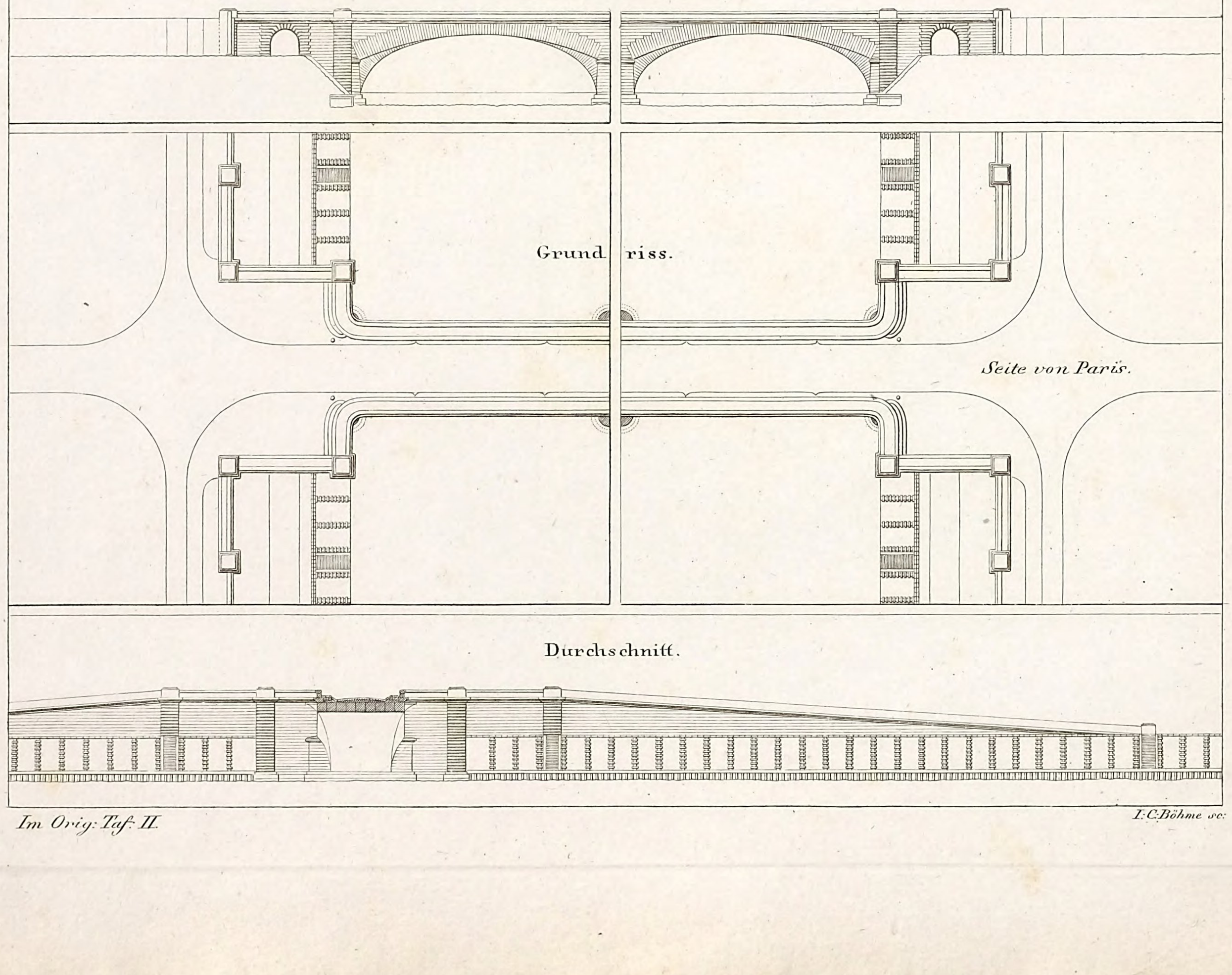
LB
C3b

Steinerne Brücke über die Seine bei Neuilly.

angefangen im Jahr 1786.

Maaßstab von 20 Toisen

5 10 15 20



Im Orig: Taf: II.

I: C: Böhme sc:

LB
Ccb

B
burg

Ansicht der Arbeiten i

Fig. 1.

Ramme

Schöpfrad

Wasserrad

Schöpfr

Grundriß der Arbeiten im

Schöpfrad

Wasserrad

Stimpfeiler auf der Seite nach Courbevoie

Gerinne der Schöpfmaschine

A

B

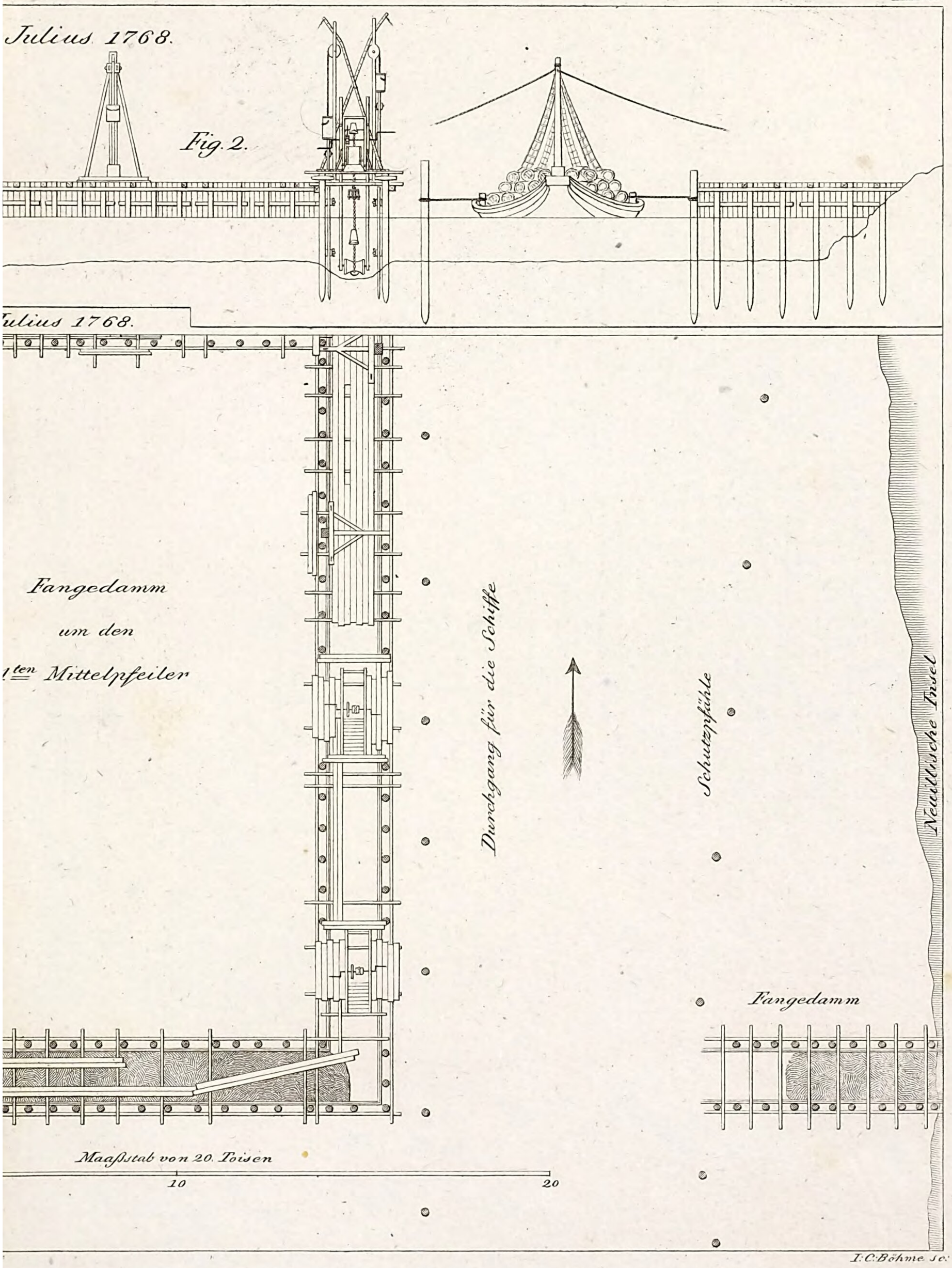
1 2 3 4

A.B. Sechs Scheibenkünste

Im Orig. Taf. III.

Julius 1768.

Fig. 2.



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Cob

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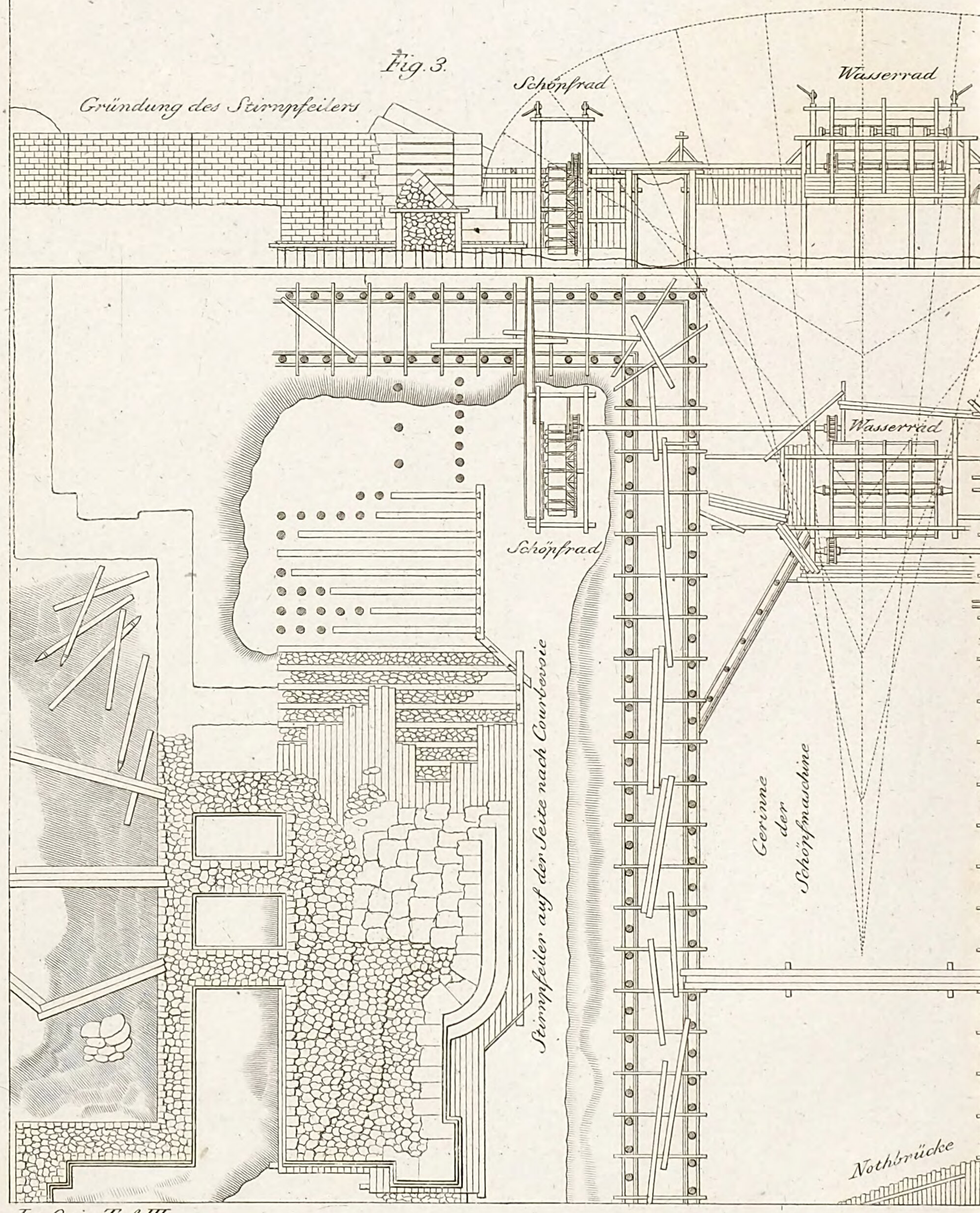
Landes-
Bücherei

Ansicht der Arbeiten im Nov

Fig. 3.



Im Orig. Taf. III.

vember 1768.

Fig. 4.

Schönfrad

Gründung des Mittelpfeilers

Fig. 5.

Grundriß der Arbeiten im November 1768

1ter Mittelpfeiler

Durchgang für die Schiffe

I.C.Böhme sc.

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Cob

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Bücherei

Stirnpfeiler auf der Seite nach Courbevoie.

1ter Mittelpfeiler.

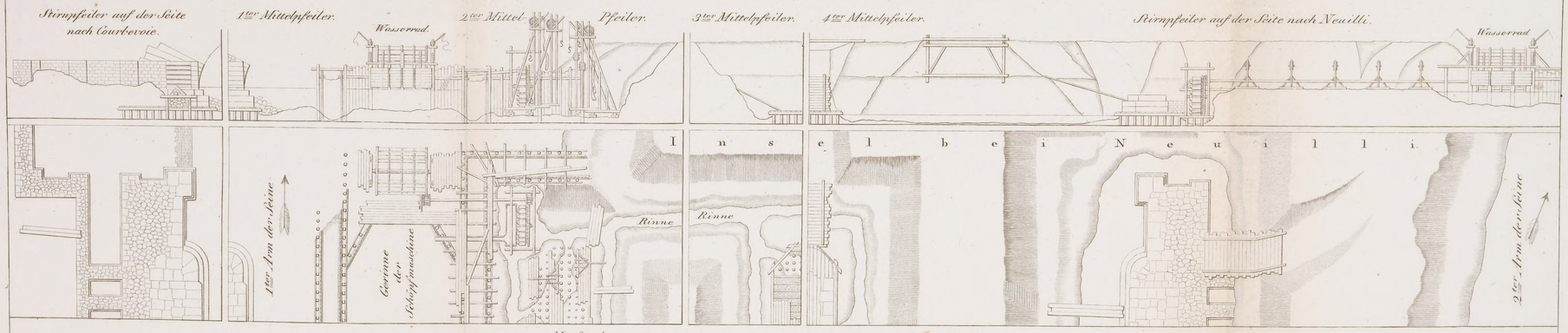
Wasserrad.

1ter Arm der Seine.

Gerinne der Schöpfmaschine

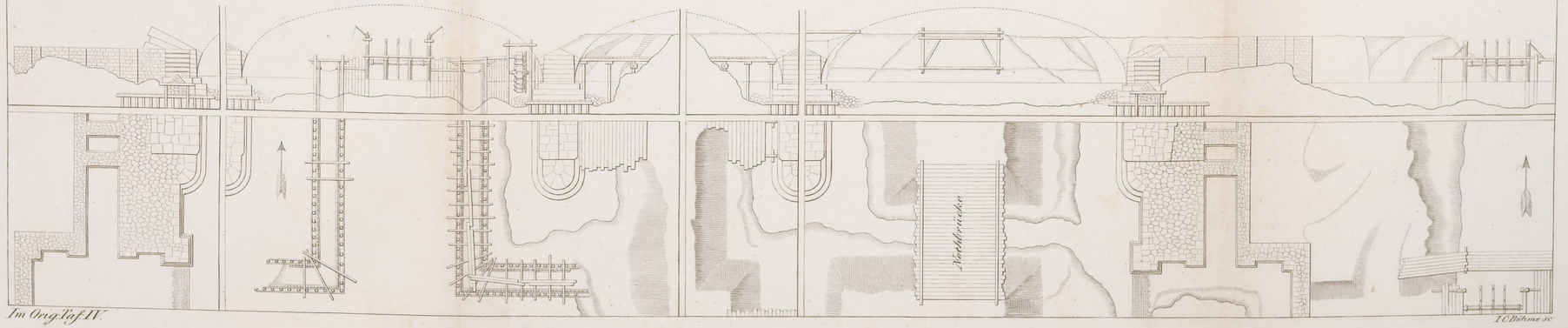
Im Orig: Taf: IV.

Grundriß und Ansicht der Arbeiten an der Brücke bei Neuilli im August 1769.



Maaßstab von 20 Toisen.

Grundriß und Ansicht der Arbeiten am Ende der Bauzeit des Jahres 1769.



Im Orig. Taf IV.

J.C. Böhme sc.

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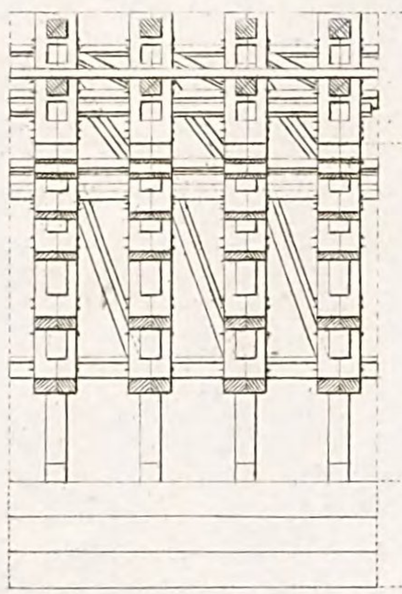
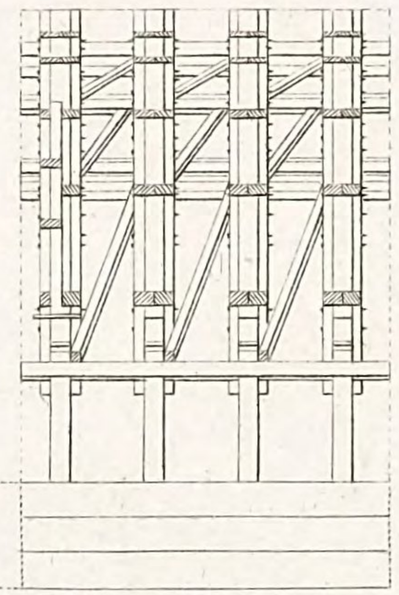
Cob

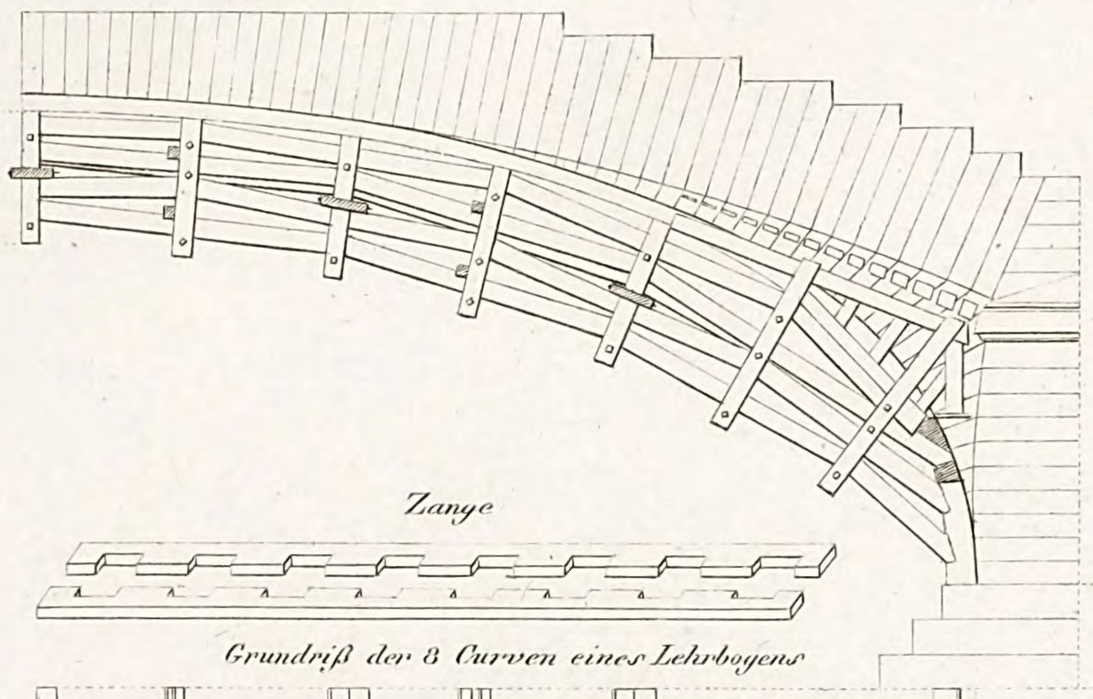
Verband der Lehrbogen

Durchschnitt von 4 Curven eines Lehrbogens



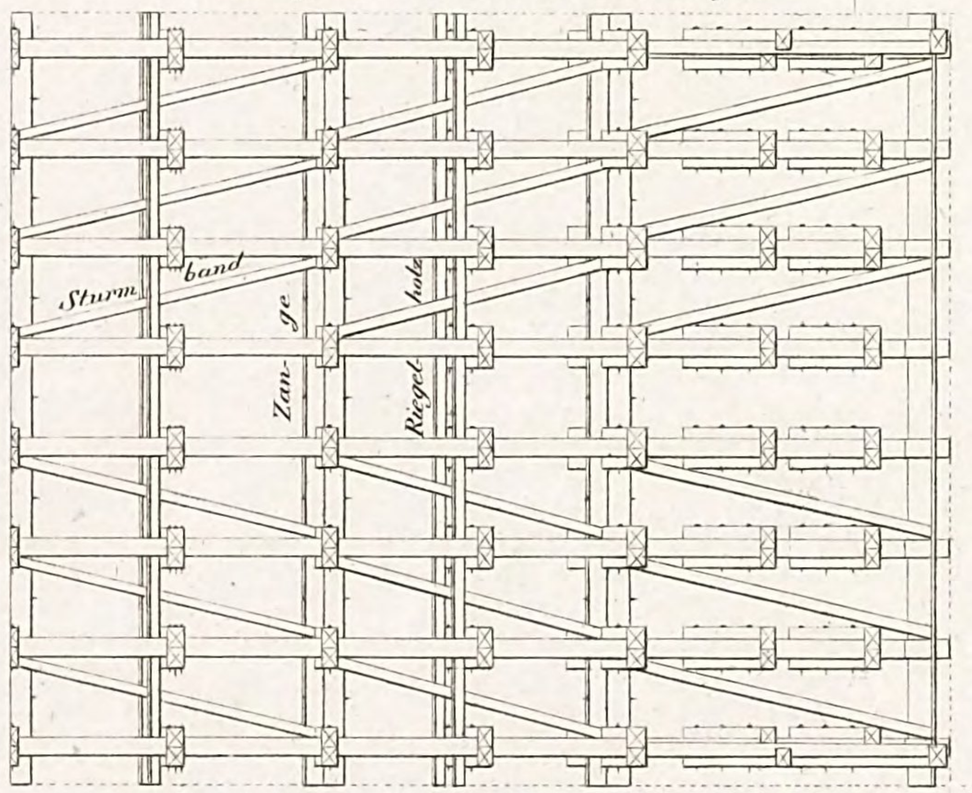
Seitenansicht von 4 Curven eines Lehrbogens



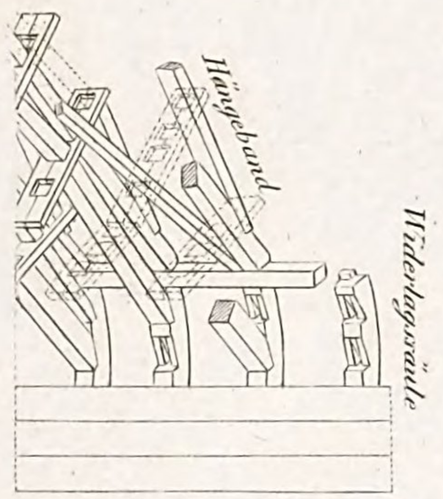


Zange

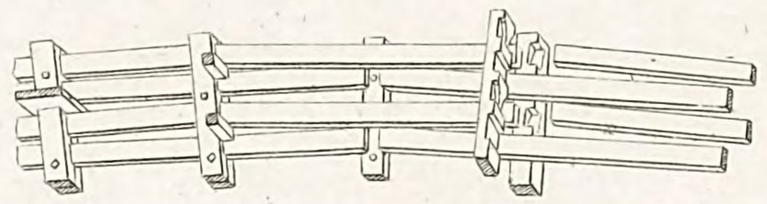
Grundriß der 8 Curven eines Lehrbogens



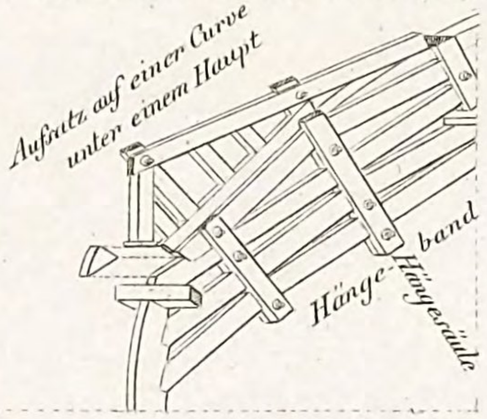
Verbindung der Hängebänder mit den Widerlagssäulen



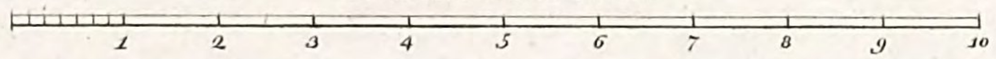
Verbindung der Hängebänder mit den Hängesäulen



Theil einer Curve unter einem Haupt von innen



Maasstab von 10 Toisen



Im Orig: Taf: V.

L. C. Bétome sc.

LB
Cob

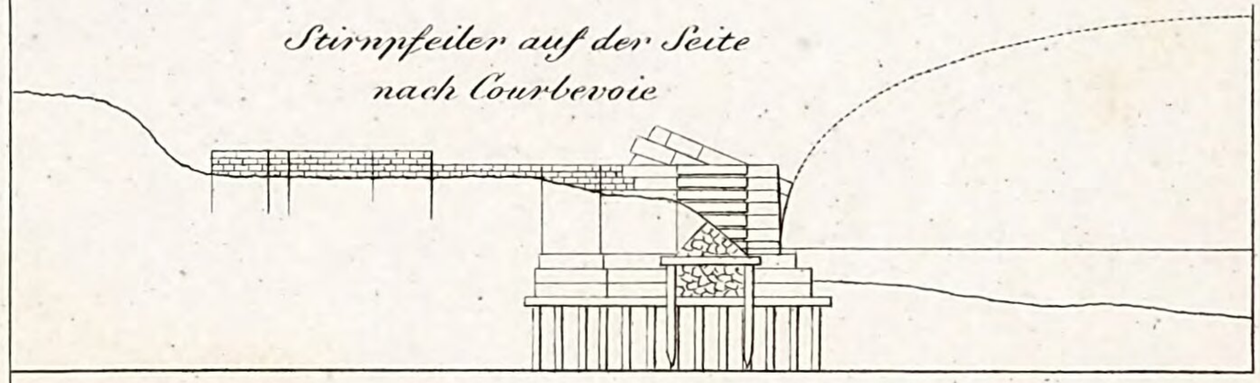
L3
Cob

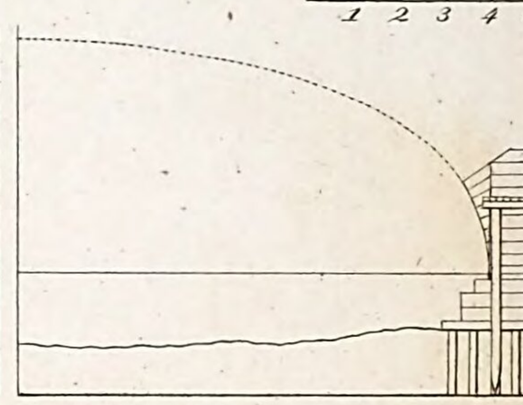
Grundriß und Ansicht der Arbeiten an der

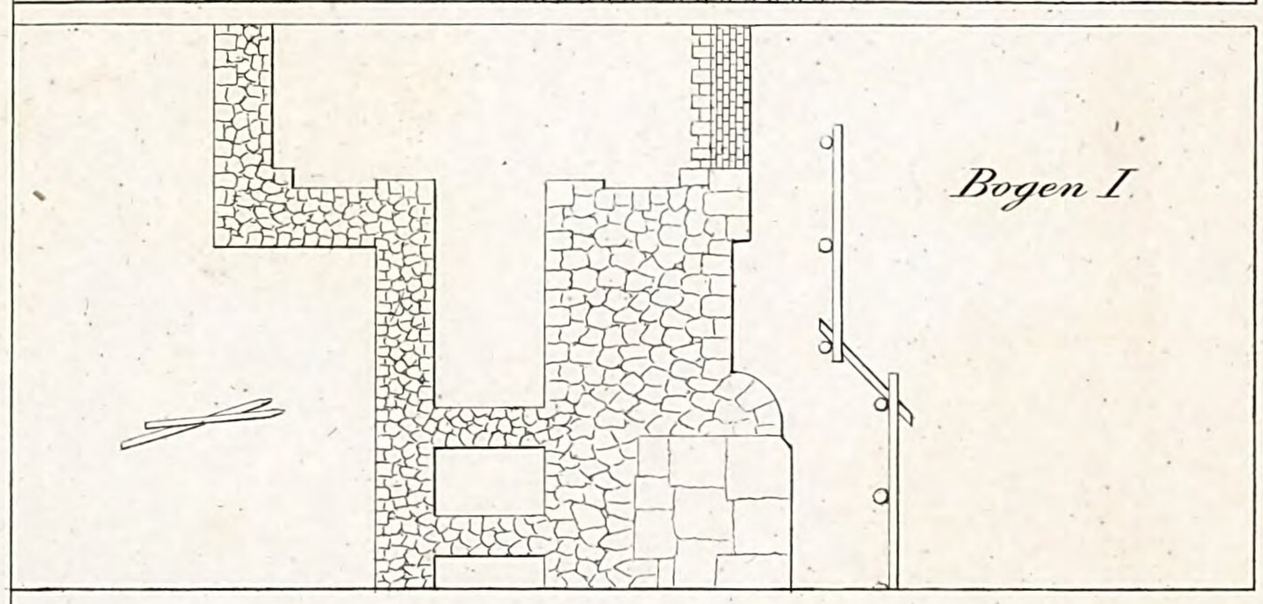
Maaßstab

1 2 3 4

Stirnpfeiler auf der Seite
nach Courbevoie

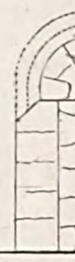




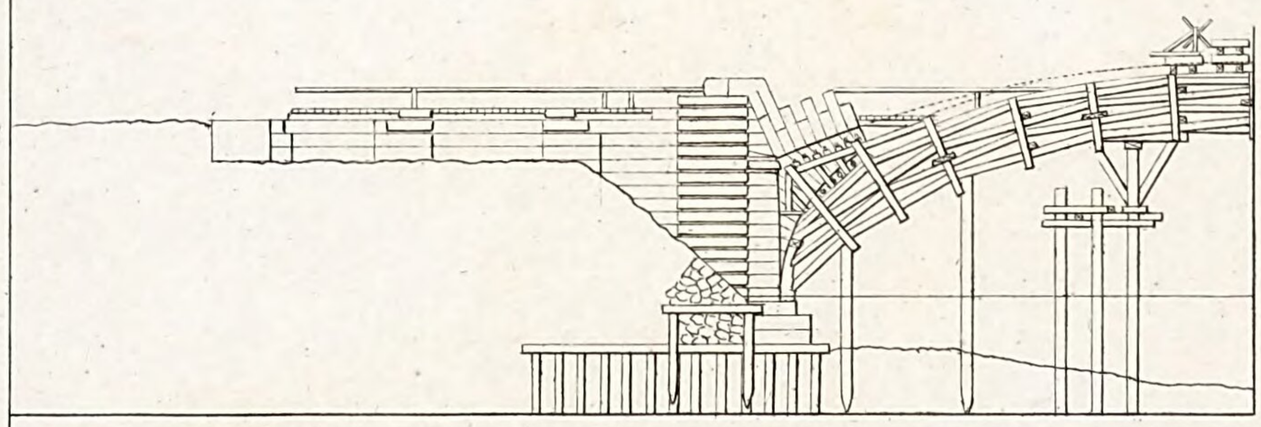


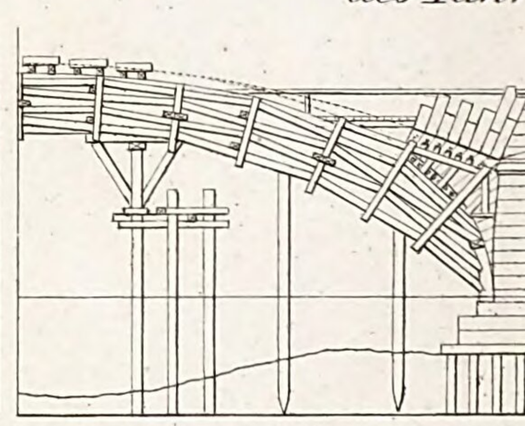
Bogen I.

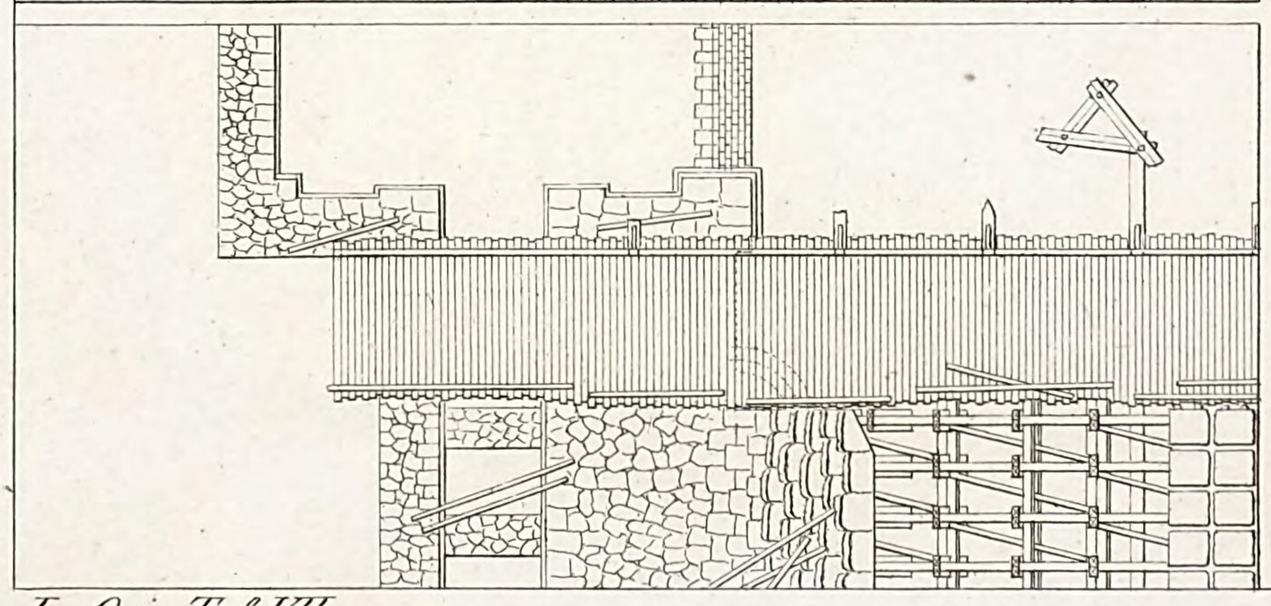
Bogen II.

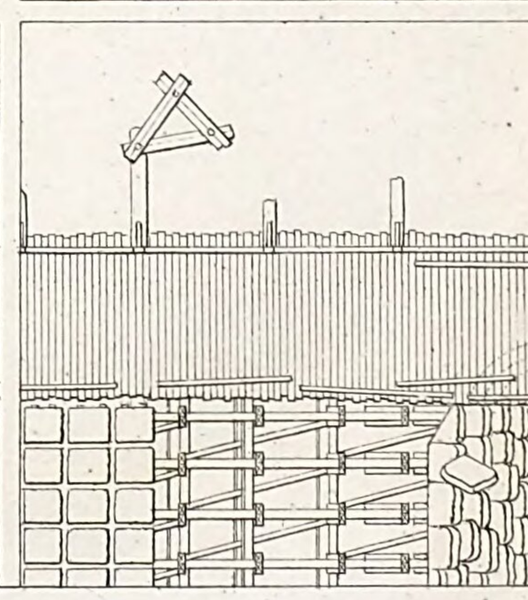


Grundriß und Ansicht der Arbeite
des Jahr









Im Orig. Taf. VII.

Brücke bei Neuilli zu Ende des Iahres 1770.

on 10 Toisen.

5 *10*

Stirnpfeiler auf der Seite nach Neuilli

Bogen III
(Bogen IV eben so)

Bogen V

n an der Brücke bei Neuilli zu Ende
res 1771.

I. C. Böhme sc.

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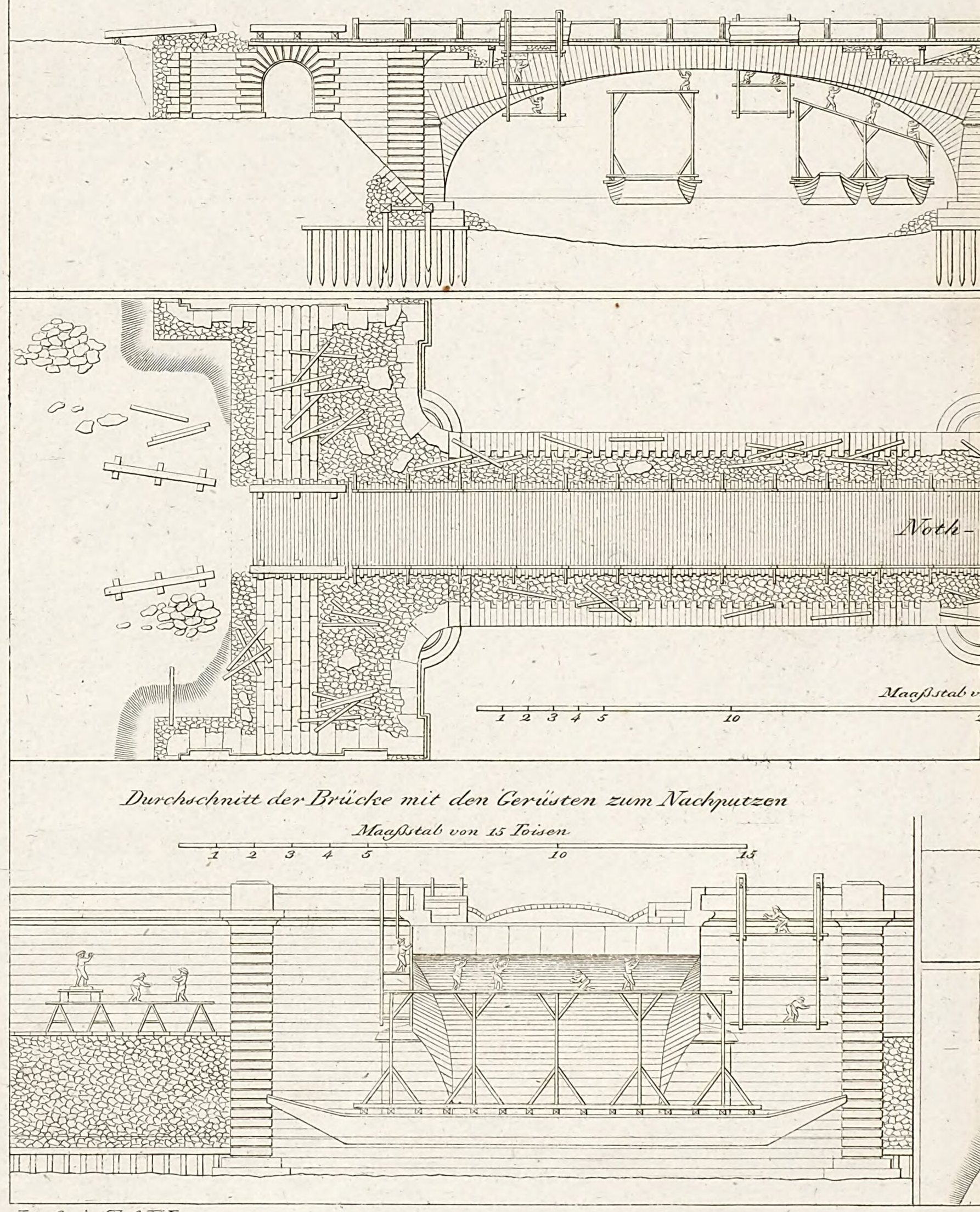
Coburg

LB
Coburg

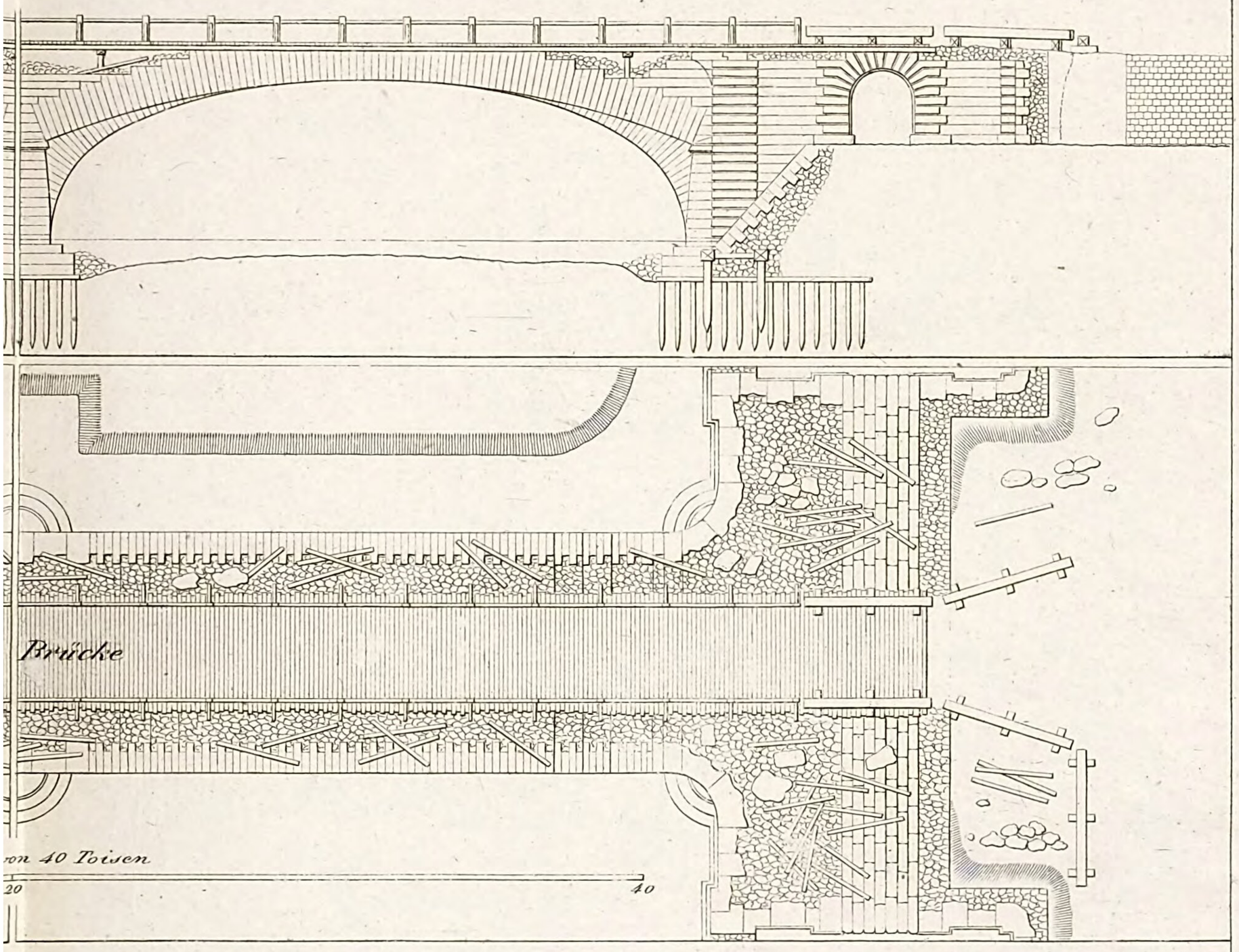
Grundriß und Ansicht der Arbeiten an der



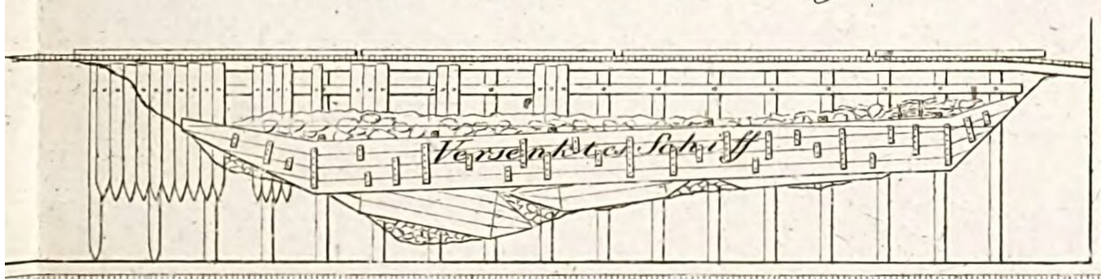
Durchschnitt der Brücke mit den Gerüsten zum Nachputzen

Im Orig: Taf: IX.

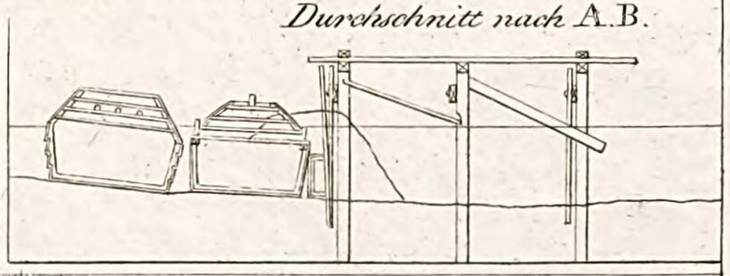
r Brücke bei Neuilli zu Ende des Jahres 1772.

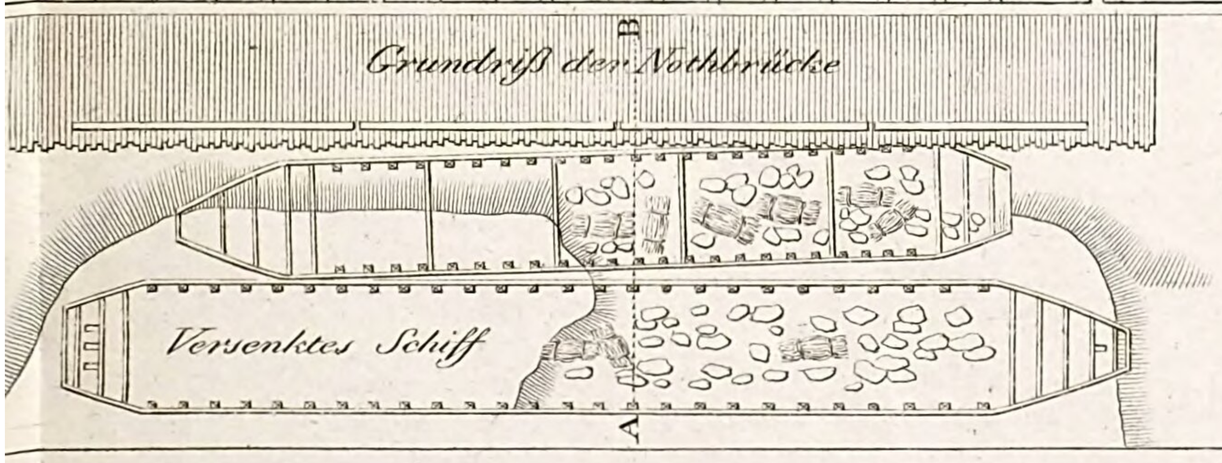


Grundriß Durchschnitt und Ansicht der Nothbrücke zum Abdämmen des Armes der Seine auf der Seite nach Paris zu.



Durchschnitt nach A.B.





Seite nach Paris zu

I.C.Böhme sc.

Prismatische Kippkarren zum Erde fahren.

Fig. 1.

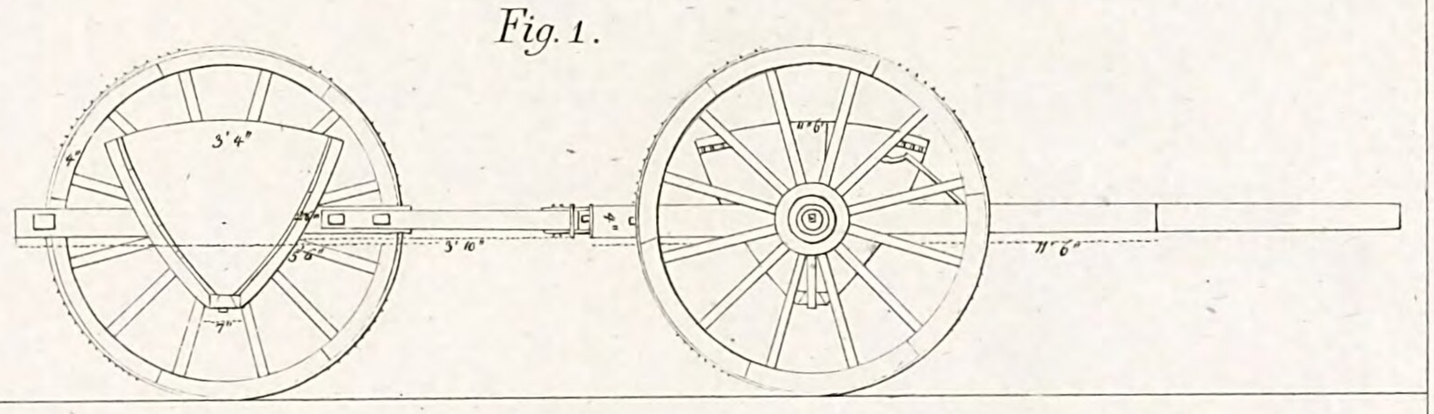


Fig. 2.

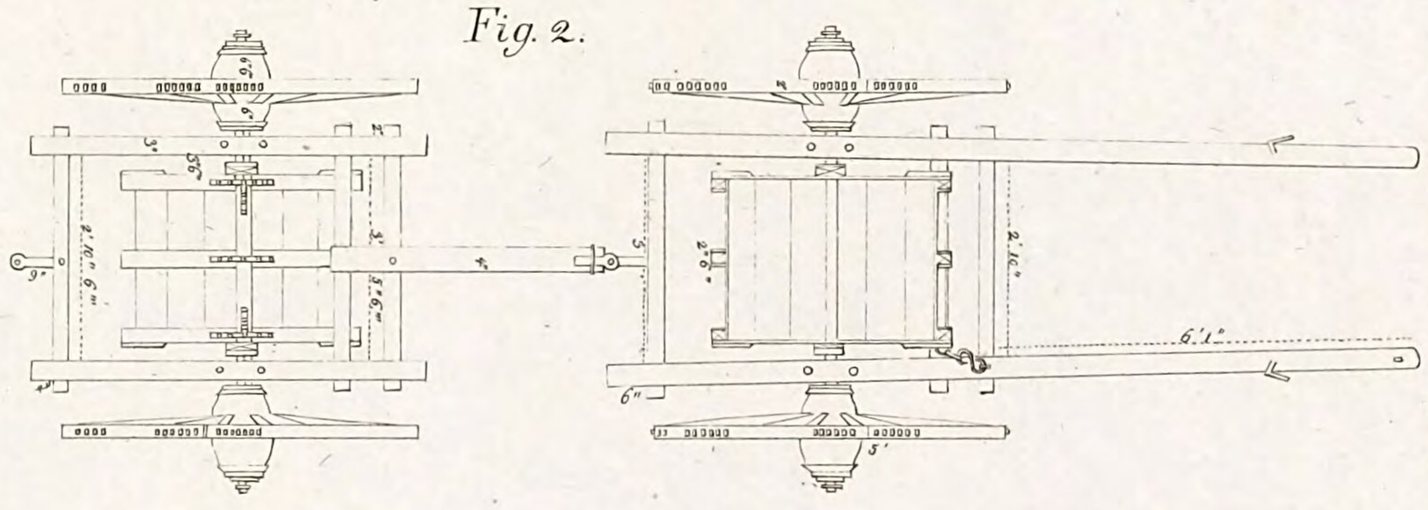


Fig. 3.

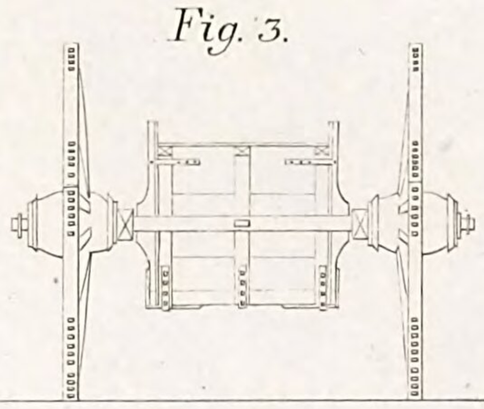


Fig. 4.

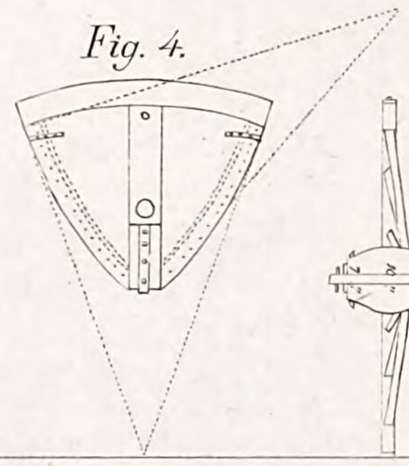
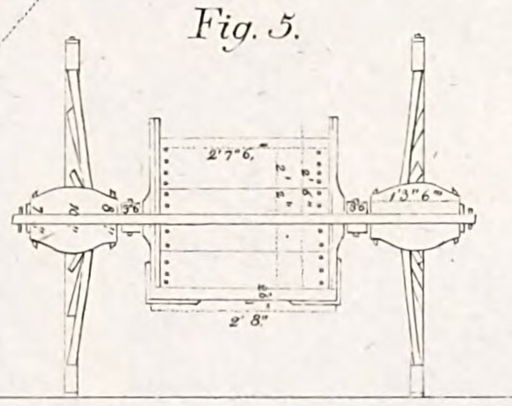


Fig. 5.



Maafsſtab von 0 1. 2. 3. 4. 5. 6 *Fuſs.*

Im Orig: Taf: XIV.

LB
C05

Verzeichnung verschiedener Lehren zum Bau der Brücke bei Neuilly.

Fig. 2

Maaßstab von 10 Toisen

Fig. 8

Fig. 7

Maaßstab von 6 Fuß

Fig. 10

Fig. 11

Fig. 9

Fig. 5

Fig. 4

Fig. 3

Fig. 1

Fig. 6

Fig. 15

Fig. 16

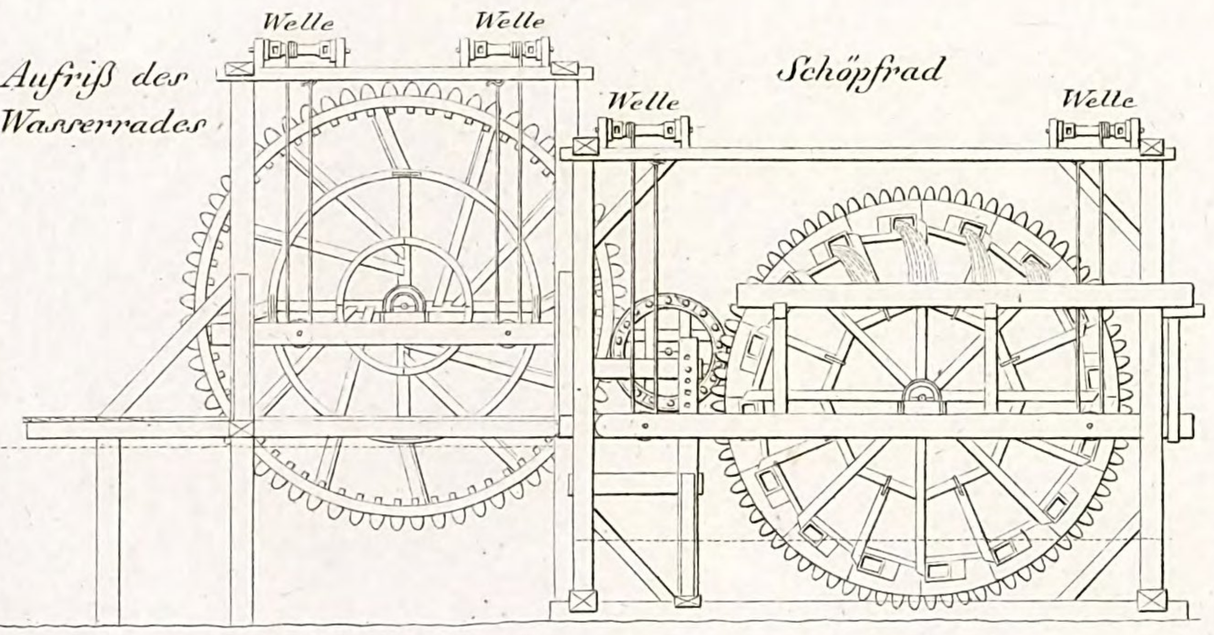
Im Orig: Taf: XV.

I. C. Böhme sc:

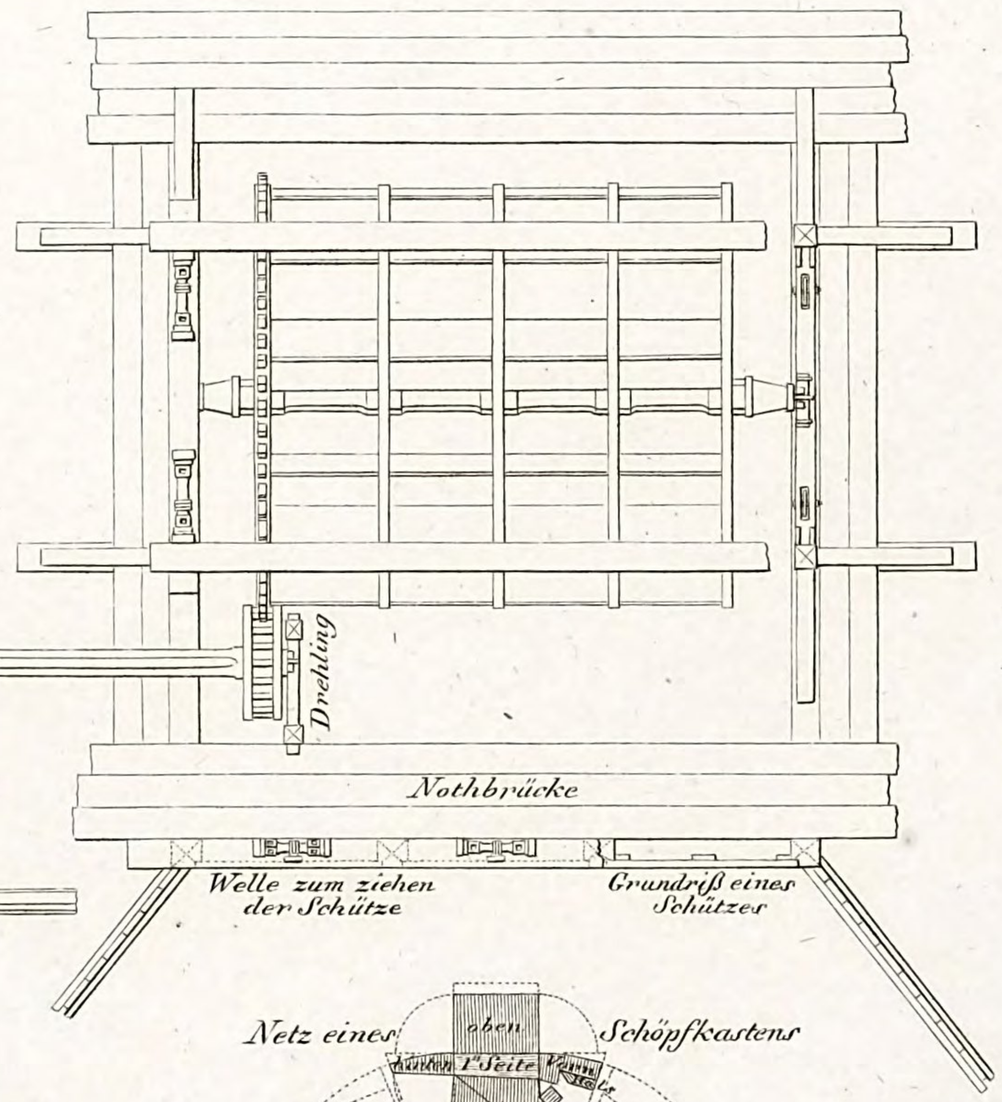
LB
Cob

Maschine welche zum Ausschöpfen des Wassers bei dem Grundbau der Brücke bei Neuilly gebraucht worden ist.

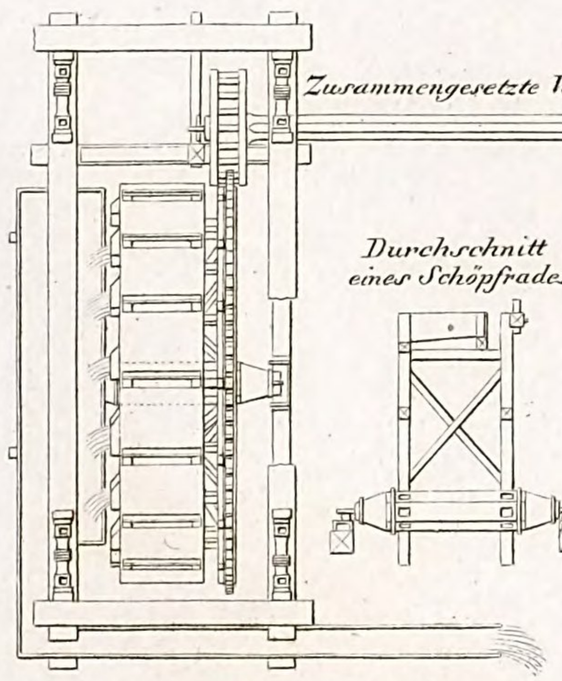
Aufriß des Wasserrades



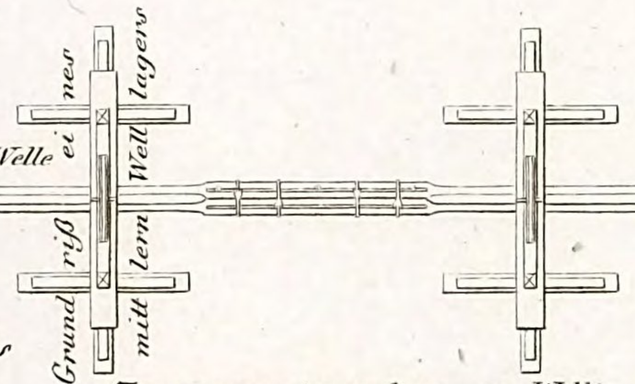
Grundriß eines Wasserrades mit Gerüste



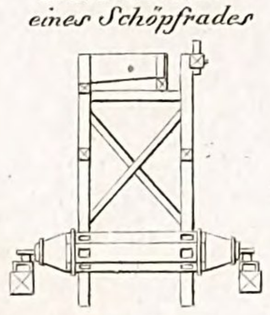
Grundriß des Schöpfrades mit Gerüste



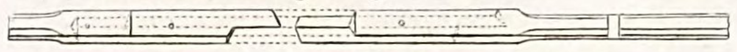
Zusammengesetzte Welle



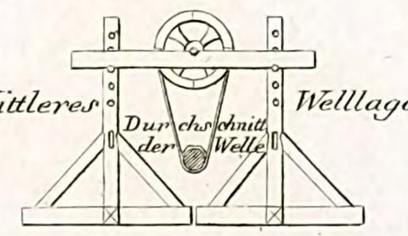
Durchschnitt eines Schöpfrades



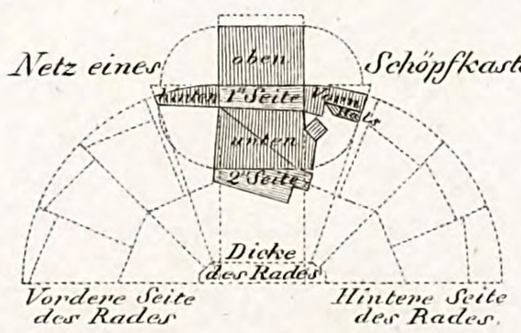
Zusammensetzung der grosen Welle



Mittleres Welllager



Netz eines Schöpfkastens



Maaßstab von 1 2 3 4 5 6 12 Fuß

Im Orig: Taf: XVI.

I.C.Böhme sc:

LB
Cob

LB
COD

Maschinen so bei E
bei Neuilli ge

Fig. 1.

170 186 57 39 123 129
390 355 352 296 290 164 203 49 34 114 124
394 366 347 286 234 158 205 43 31 109 142
400 375 340 276 231 150 143 51 28 189 149
403 378 332 272 221 217 117 64 20 79 157
406 381 320 187 245 195 105 72 17 70 171
410 385 309 180 251 197 98 80 8 118
420 362 356 176 259 204 95 86 11 112 125
423 367 361 174 285 209 139 41 35 106 133 179
426 374 239 148 144 215 162 46 32 99 182 216 327
425 380 336 154 140 223 172 56 27 93 206 311 333
405 326 318 181 137 229 178 59 23 87 218 304 343
409 384 308 165 135 240 185 65 18 78 225 298 350
416 391 300 239 130 250 190 73 4 67 235 290 358
418 389 292 242 122 216 196 83 9 60 241 282 361
424 395 285 256 113 126 103 94 14 55 249 274 365
401 399 281 261 119 243 202 42 37 48 268 269 372
413 349 273 266 168 153 175 47 30 102 111 317 346
429 357 337 313 163 257 182 52 26 92 131 328 341
428 369 331 305 155 260 192 58 22 84 128 342 368
421 376 325 301 151 268 199 66 15 76 136 345 360
427 383 324 291 145 275 211 74 12 68 132 329 364
417 392 314 307 141 283 219 82 7 63 159 322 370
414 393 302 294 132 270 228 95 5 54 166 295 373
411 304 335 288 126 263 236 101 2 38 177 287 377
408 353 334 277 125 254 247 108 1 33 184 252 396
404 371 323 183 173 306 145 53 45 25 193 292 359
402 379 319 189 167 293 156 61 40 19 201 237 227
398 382 312 194 160 284 169 69 36 44 210 279
430 386 330 200 153 278 181 75 29 120 213
431 419 338 208 147 267 191 81 24 100
432 422 348 214 138 264 198 88 21 90 262
433 415 354 220 131 255 207 91 16 85 271
434 412 363 310 127 248 212 97 13 77 280
435 397 388 315 124 244 222 104 10 71 209
224 407 387 321 119 238 233 107 6 62 297
230 246 119 3 50 303

Fig. 2

26 21 70
49 30 18 62 71
109 56 36 12 55 80 136
121 110 79 40 8 46 85 131 141
127 117 86 73 5 43 90 123 147
160 137 88 66 3 34 96 119 153
164 139 97 60 20 25 101 106 157
169 145 104 51 14 61 67 115 163
172 152 126 45 10 54 76 138 170
178 156 120 35 6 50 84 130 142
181 165 111 27 2 44 89 124 150
168 133 57 23 28 32 93 125 155
151 140 107 16 22 39 102 105 162
175 146 100 7 15 68 74 112 77
179 158 95 63 11 63 82 149 174
182 166 91 72 9 58 87 144 176
183 167 129 81 4 53 94 134 159
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Fig. 3.

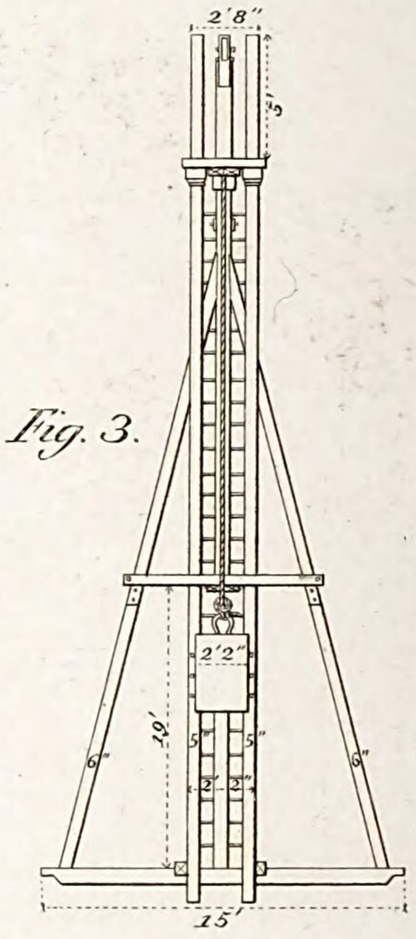


Fig.

Fig. 6.

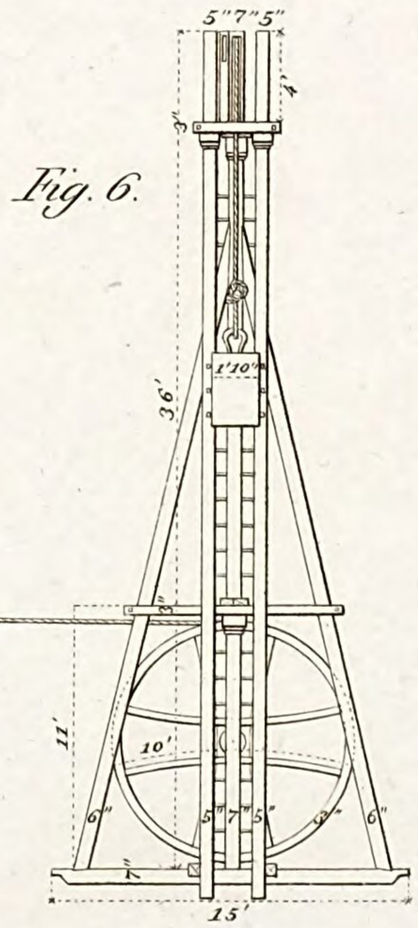


Fig. 7.

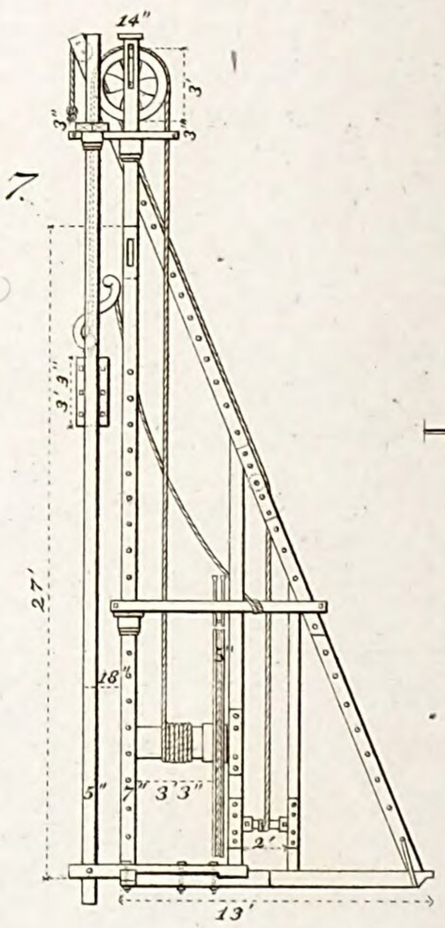
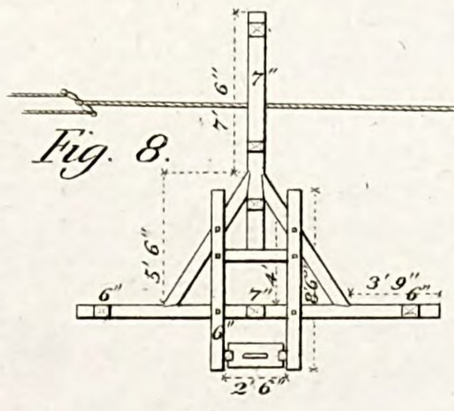


Fig. 8.



Im Orig: Taf: XVIII.

bauung der Brücke
aucht worden.

Fig. 13.

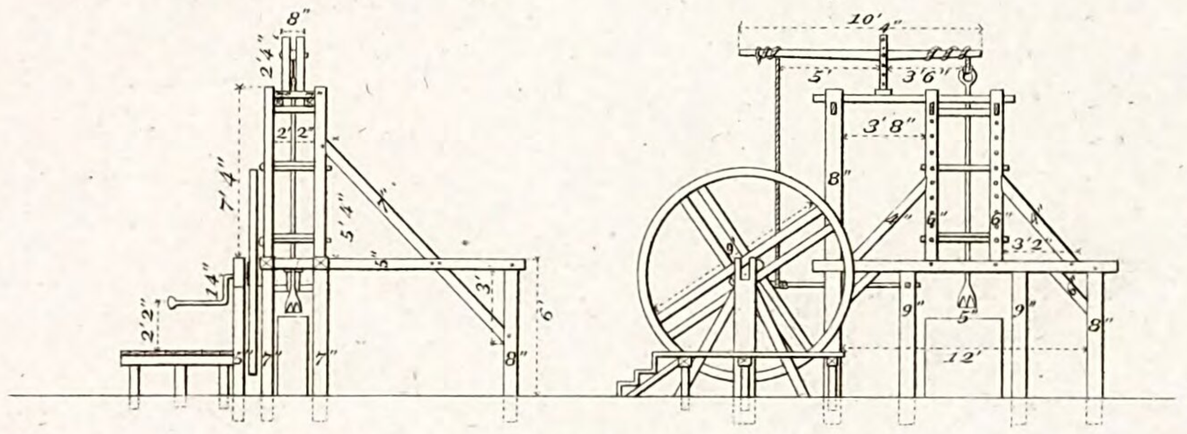
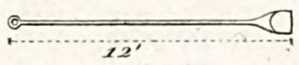


Fig. 14.

Fig. 16.



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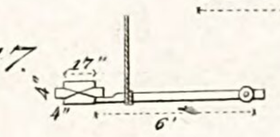

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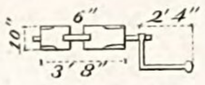
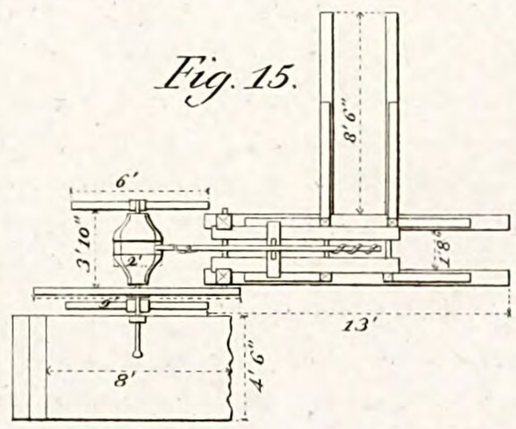
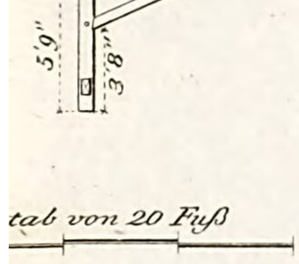


Fig. 15.





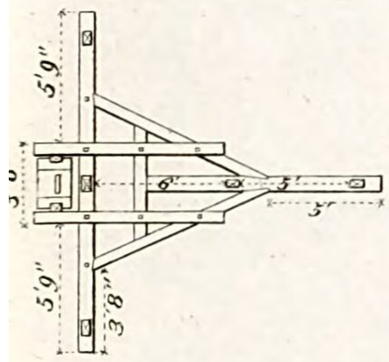
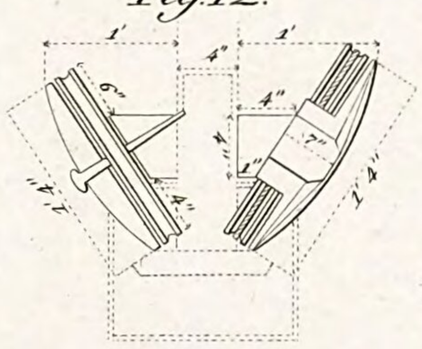


Fig. 12.



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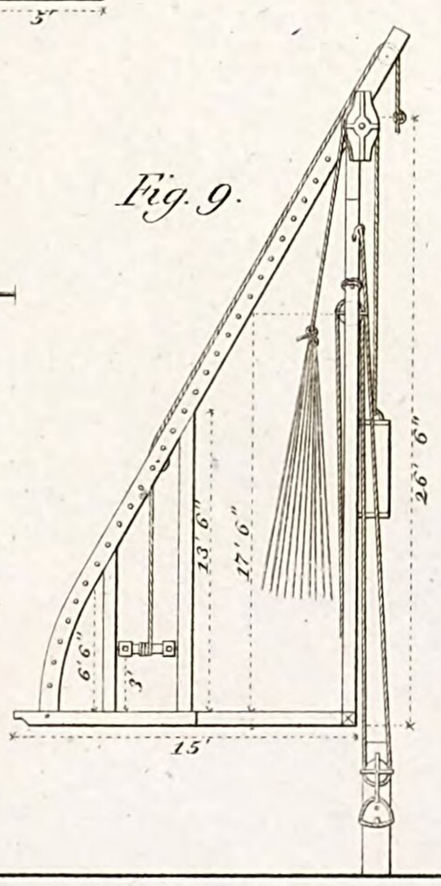

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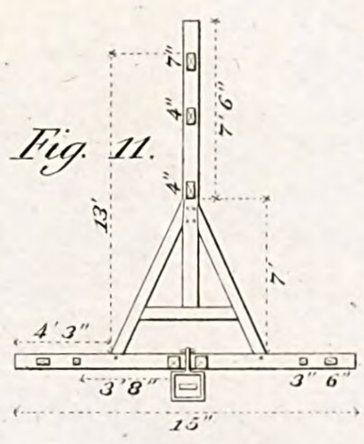

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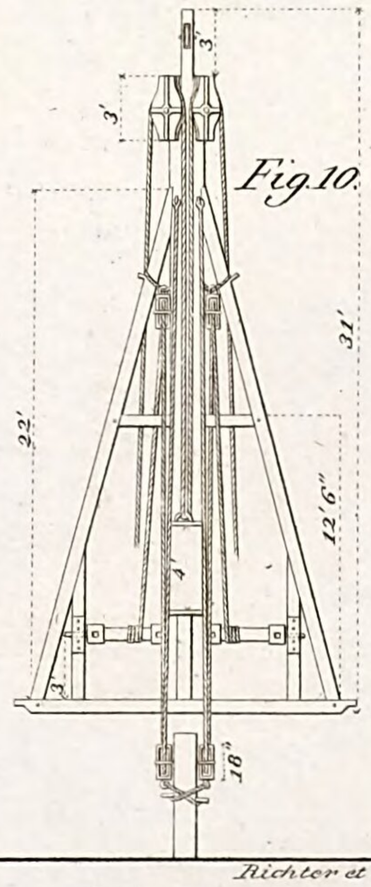


tab von 20 Fuß

Richter et Böhme sc.

LB
Cob

Maschinen welche bei dem Bau der Brücke bei Neuilly gebraucht worden.

Fig. 1

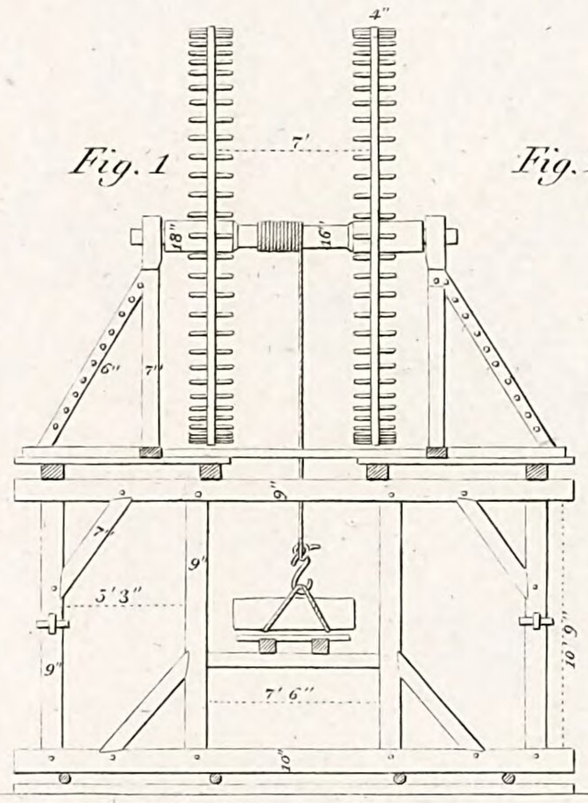


Fig. 2

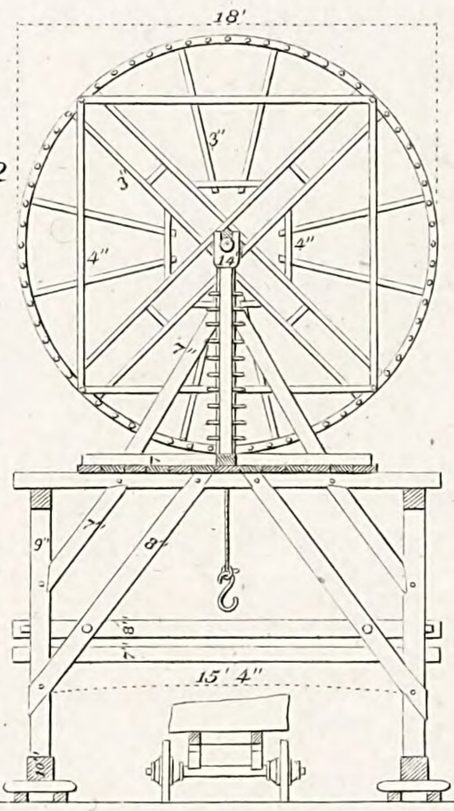


Fig. 3

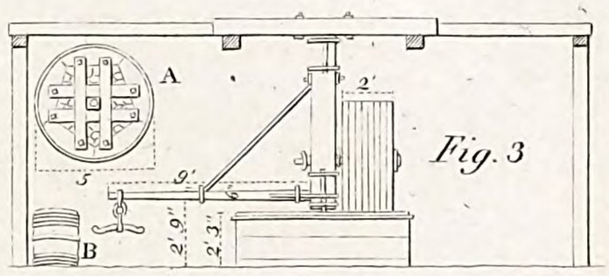


Fig. 4

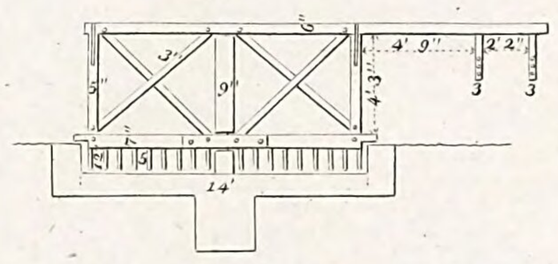


Fig. 5

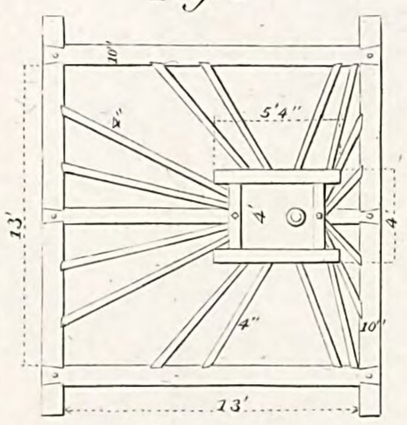


Fig. 6

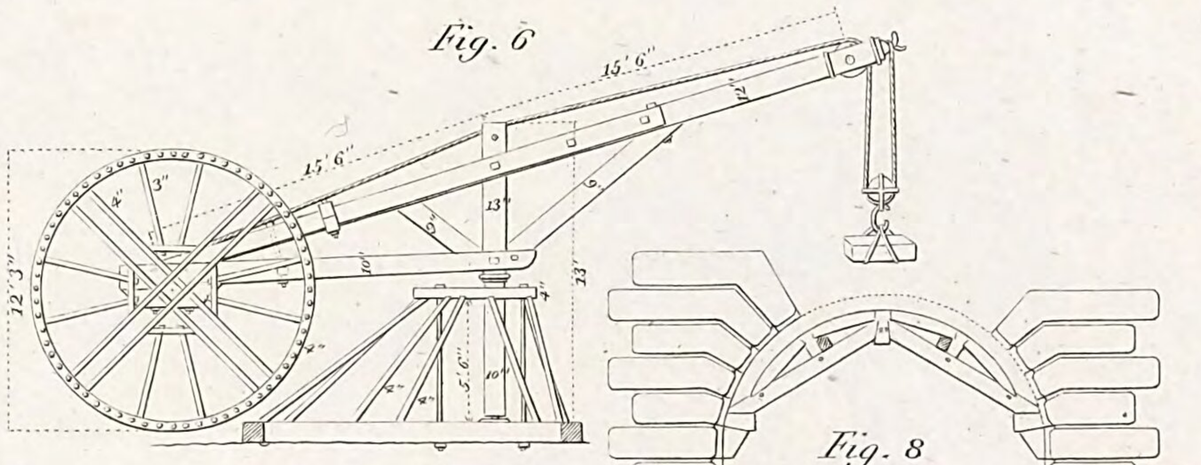
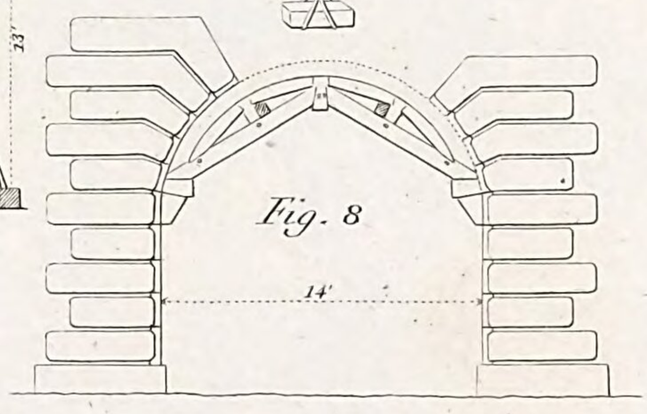


Fig. 8



Maaßstab von 20 Fuß

1 2 3 4 5 10 15 20

Fig. 9

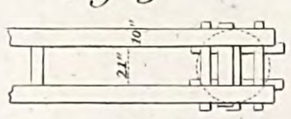


Fig. 7

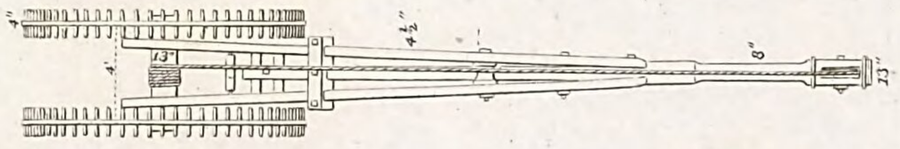


Fig. 10

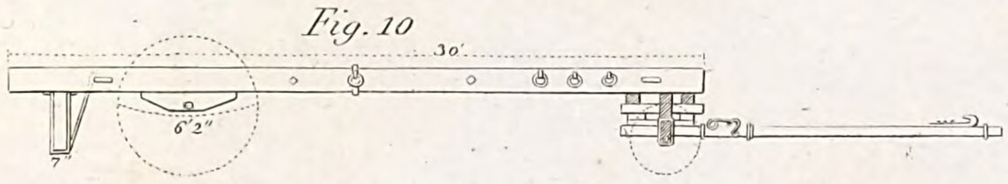


Fig. 11

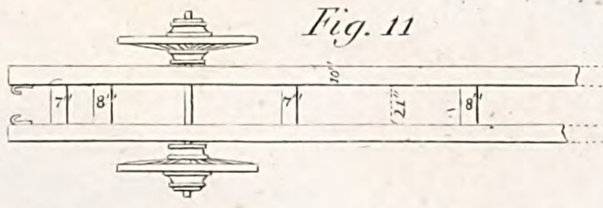


Fig. 12

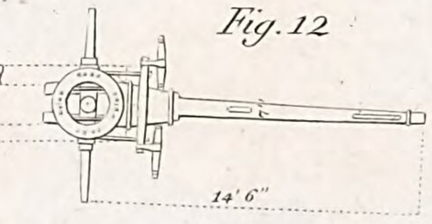
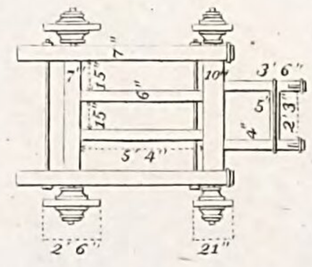


Fig. 13

Fig. 14

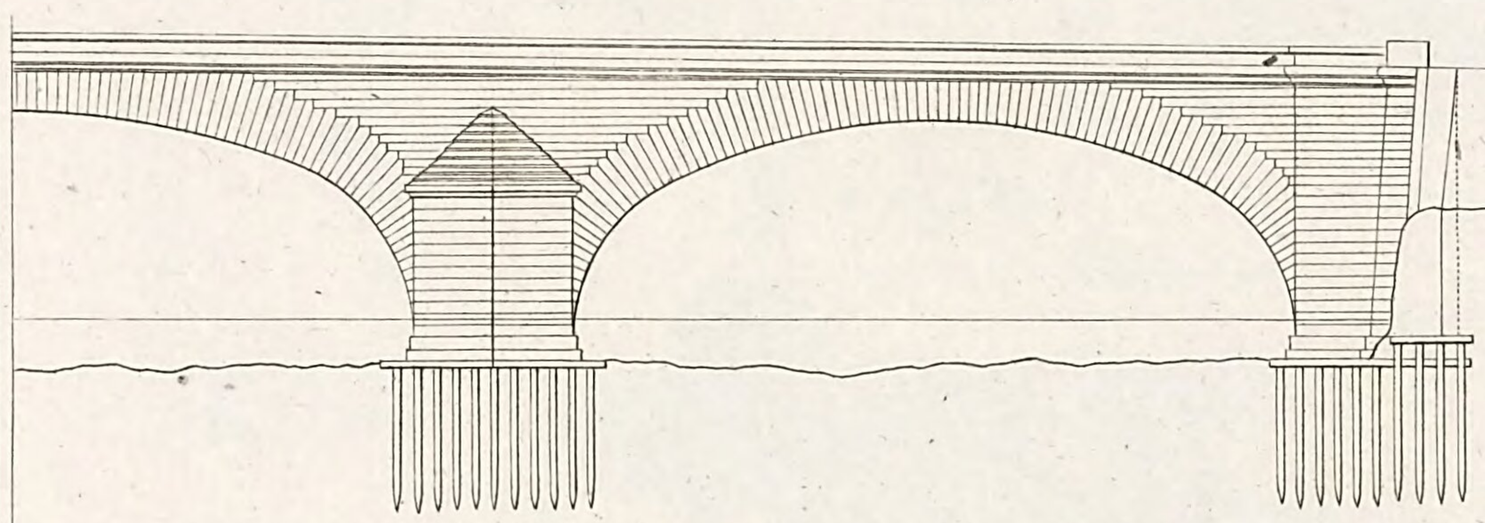


Im Orig: Taf. XIX.

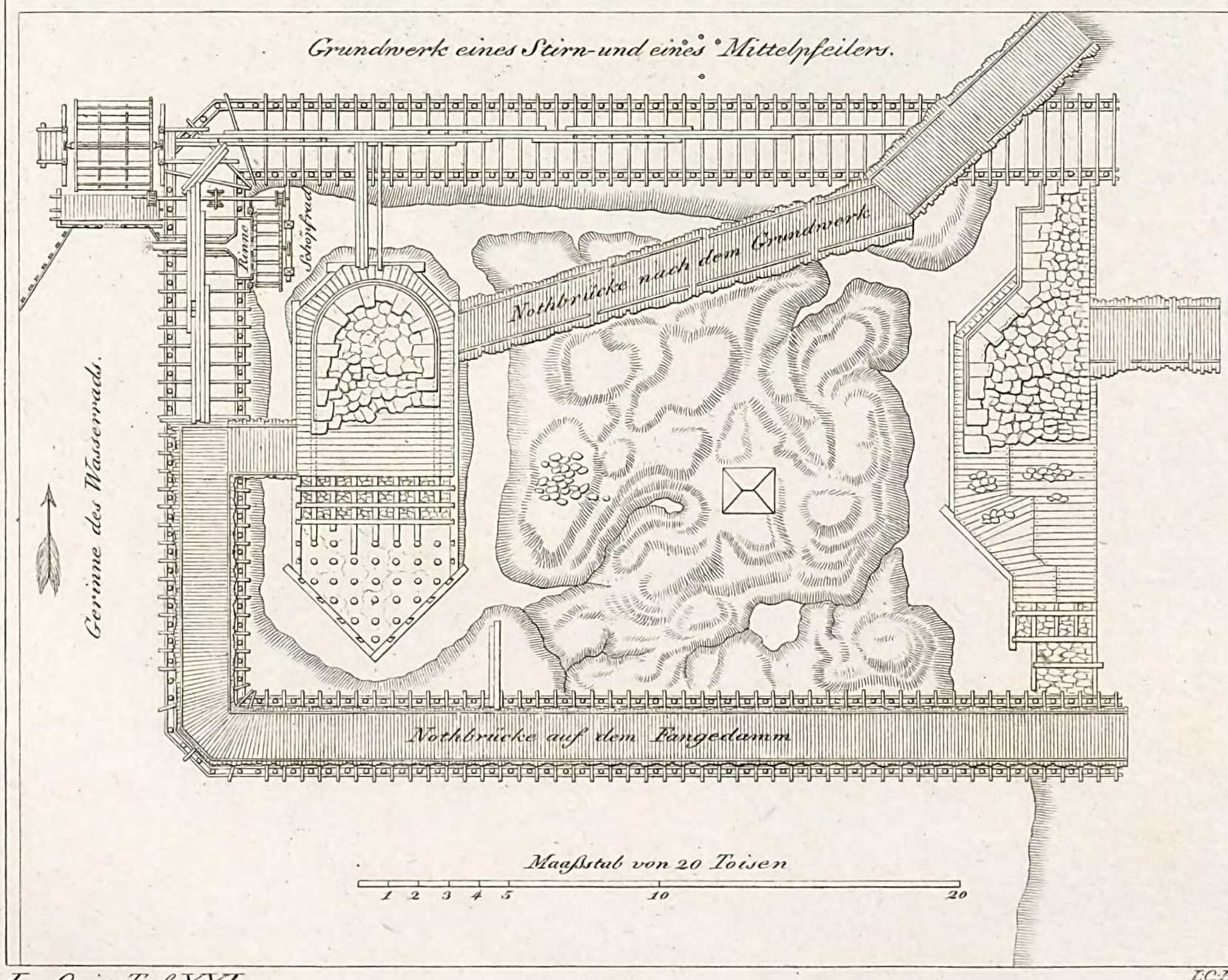
I. C. Böhme sc.

LB
Cob

Aufriß der Brücke bei Mantes über den Arm der Seine auf der Stadtseite, beendiget im Jahre 1765.



Grundwerk eines Stirn- und eines Mittelpfeilers.



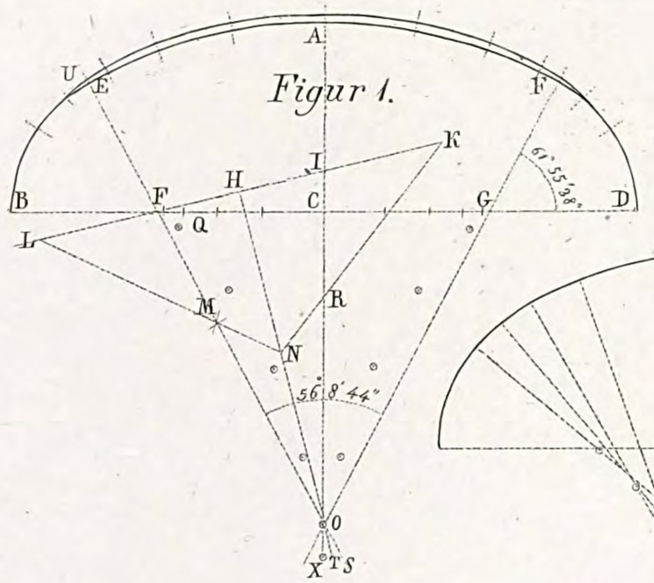
Maaßstab von 20 Toisen

1 2 3 4 5 10 20

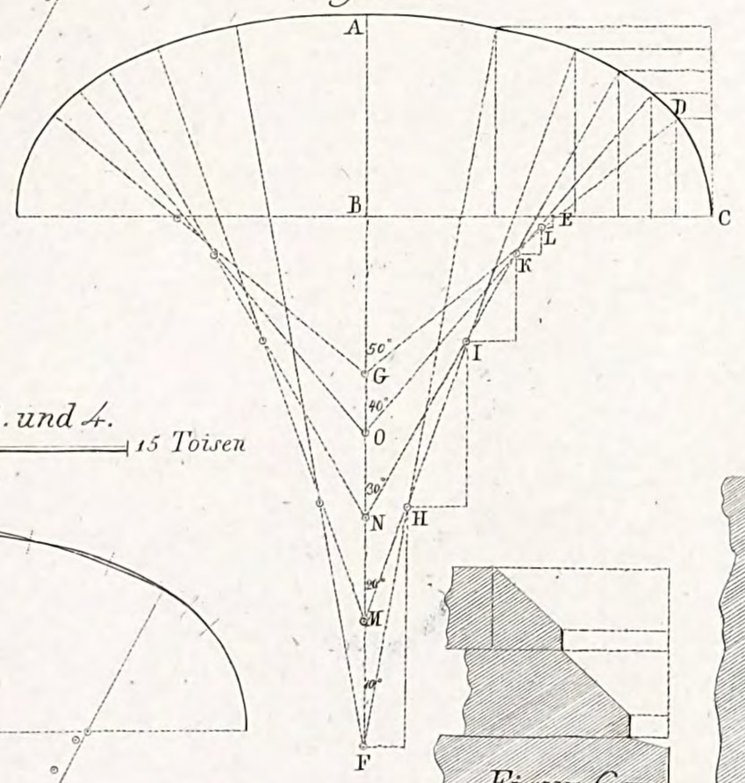
Im Orig. Taf. XXI.

I.C.Böhme sc.

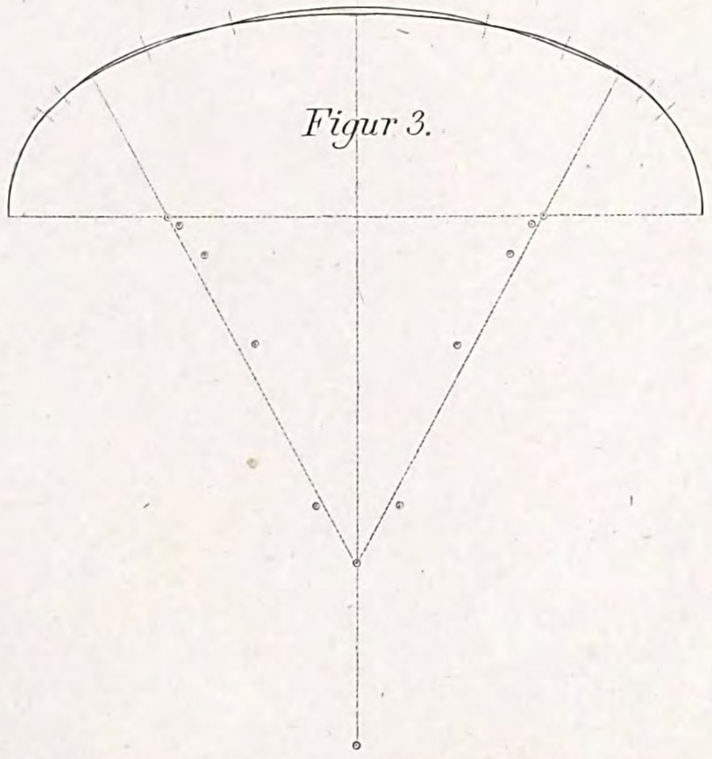
Coburger
Landes-
Bücherei



Figur 1.



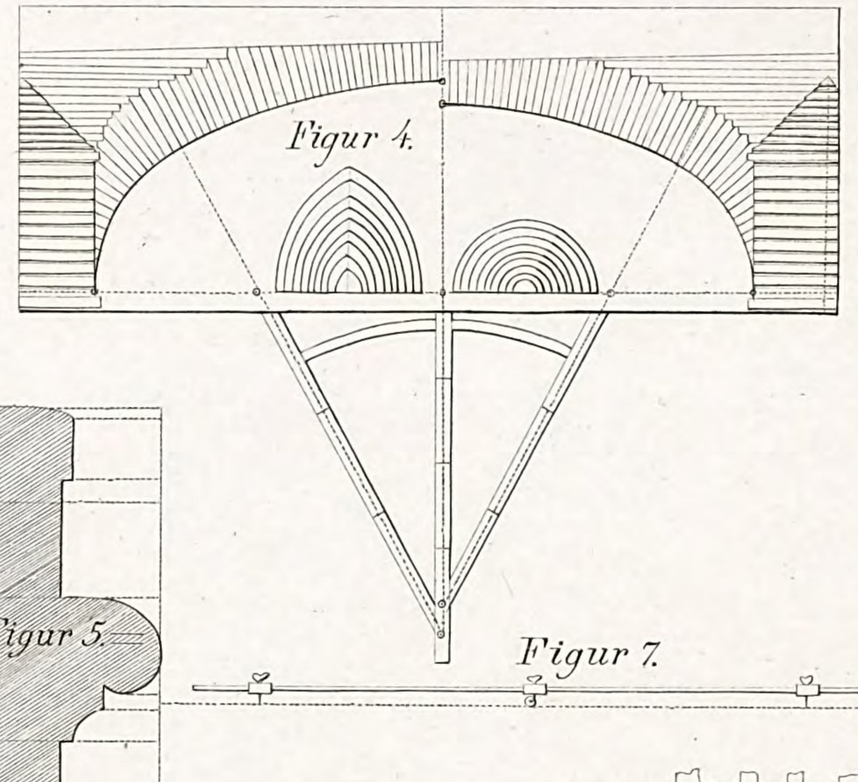
Figur 2.



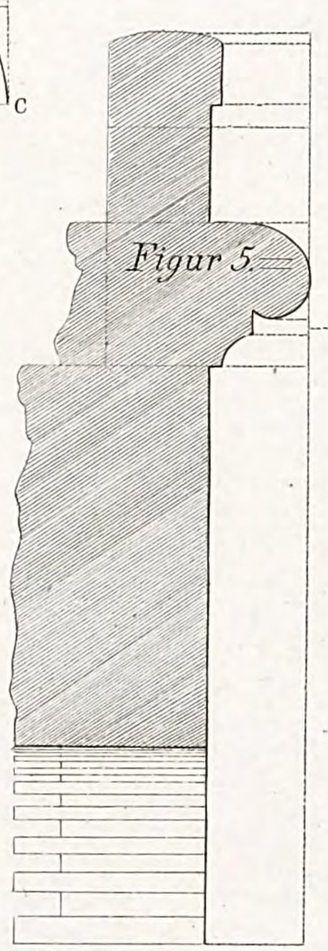
Figur 3.

Maaßstab zu Figur 1. 2. 3. und 4.

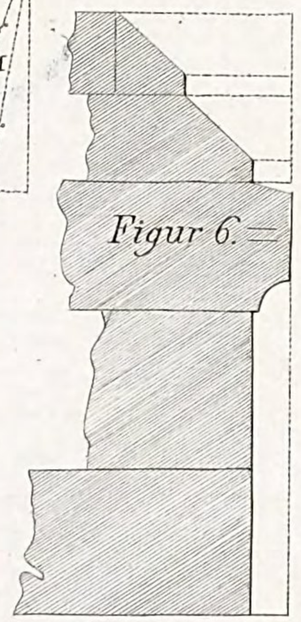
15 Toisen



Figur 4.



Figur 5.

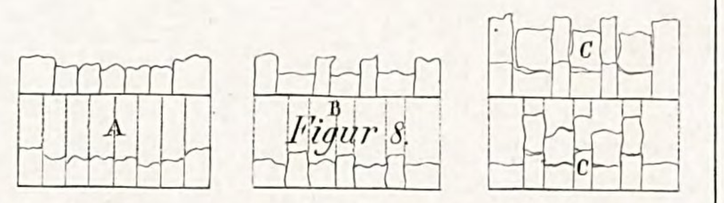


Figur 6.

Maaßstab zu Figur 5 und 6.

1. 2. 3. 4. 5. 10 Fuß

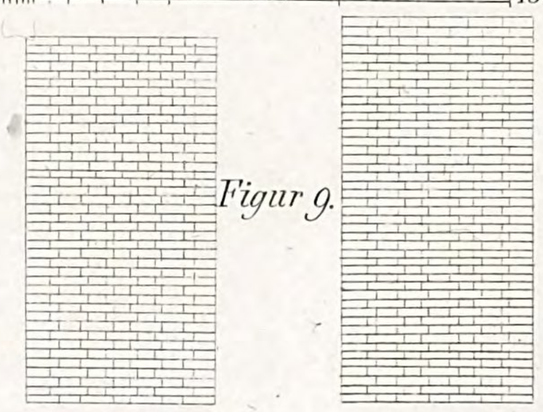
Figur 7.



Figur 8.

Maaßstab zu Figur 8 und 9.

15 Toisen



Figur 9.

Im Orig. Taf. XXIII.

LB
Cob

Verband der Lehrbogen.

Fig. 1.

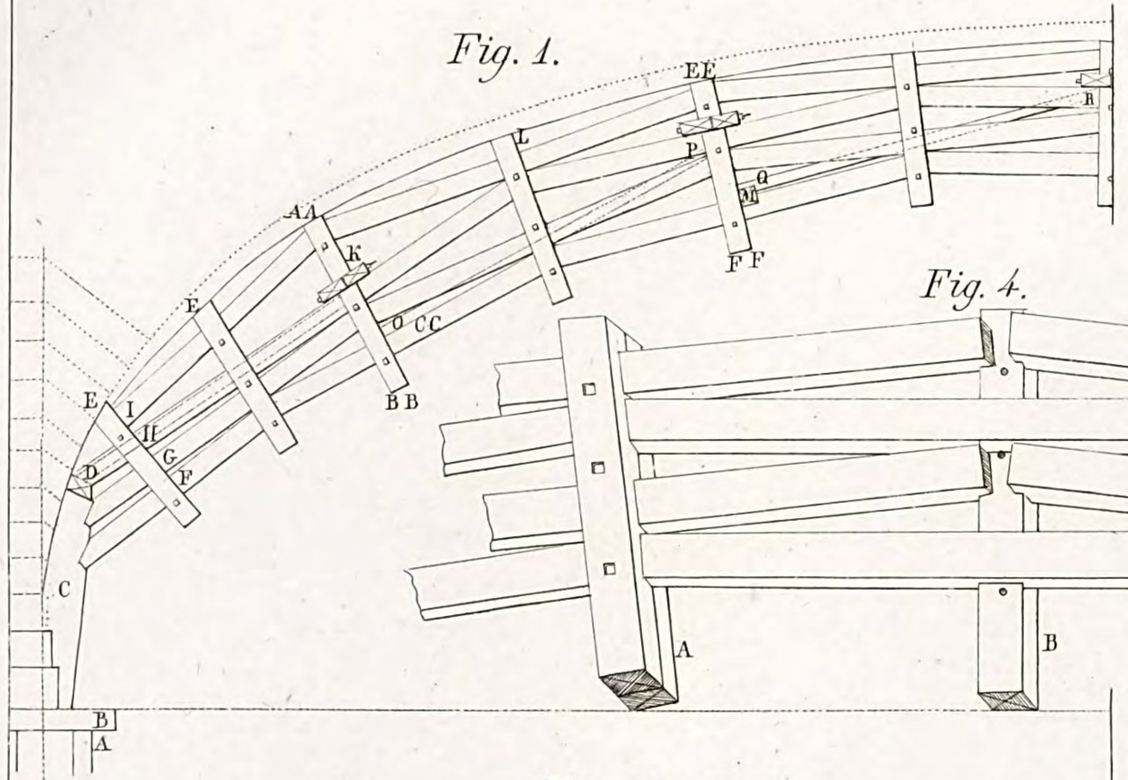
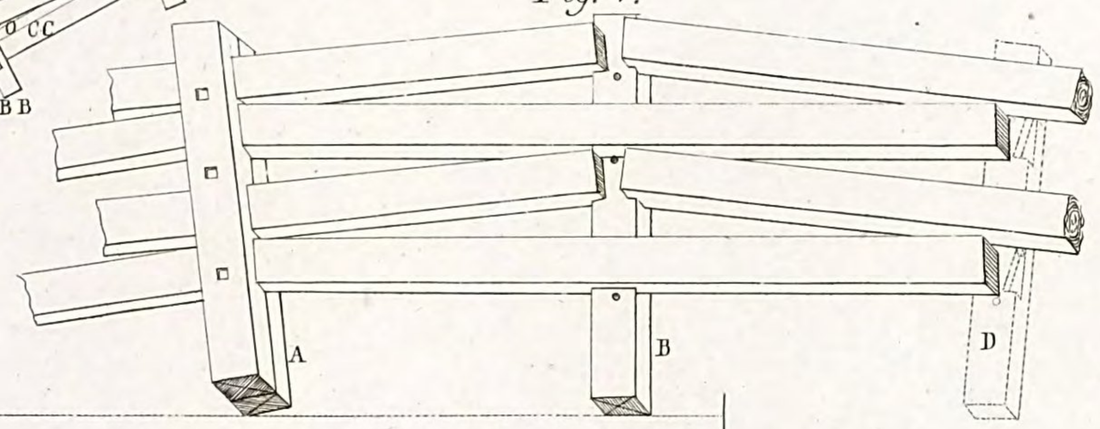


Fig. 4.



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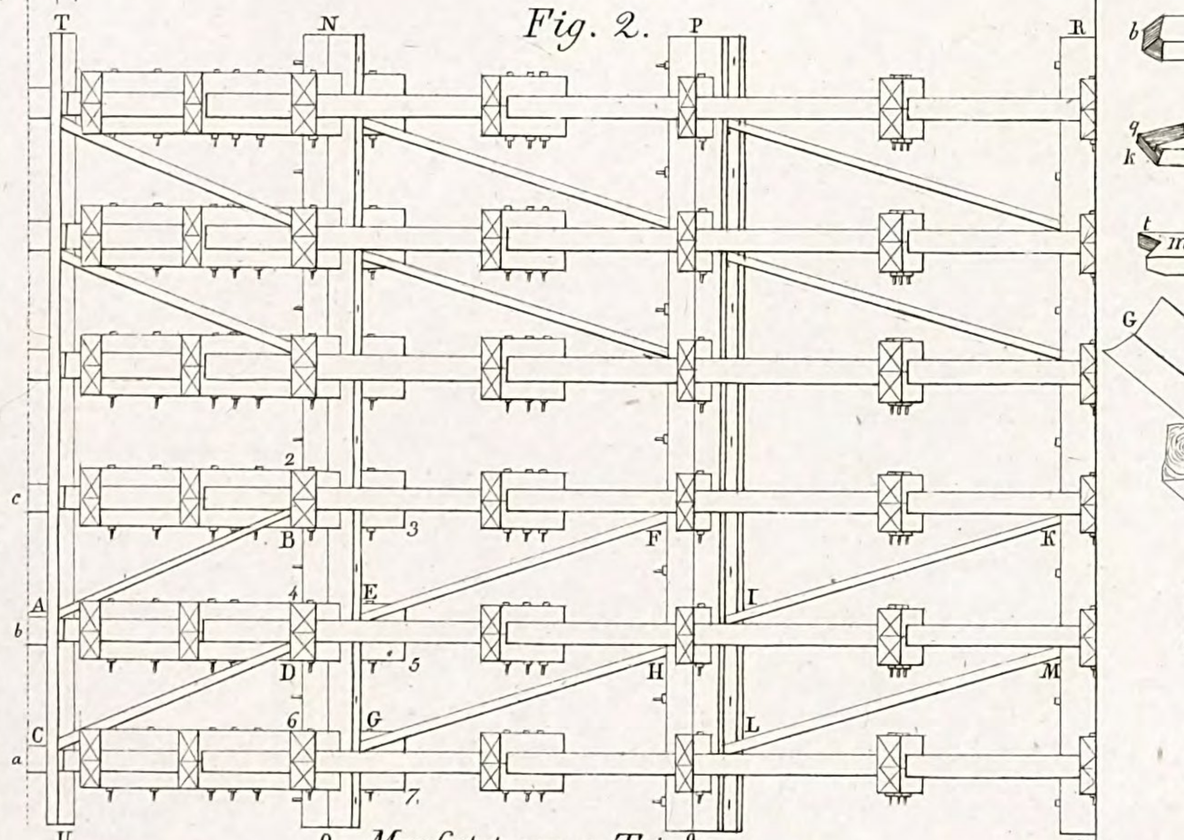


Fig. 3.

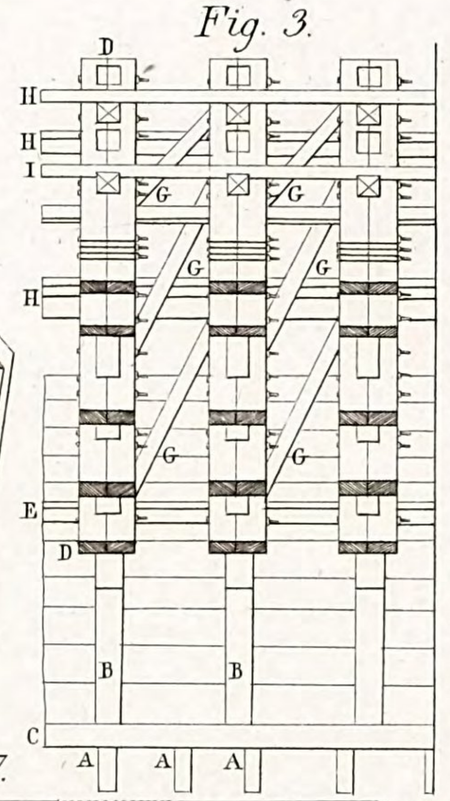


Fig. 5.

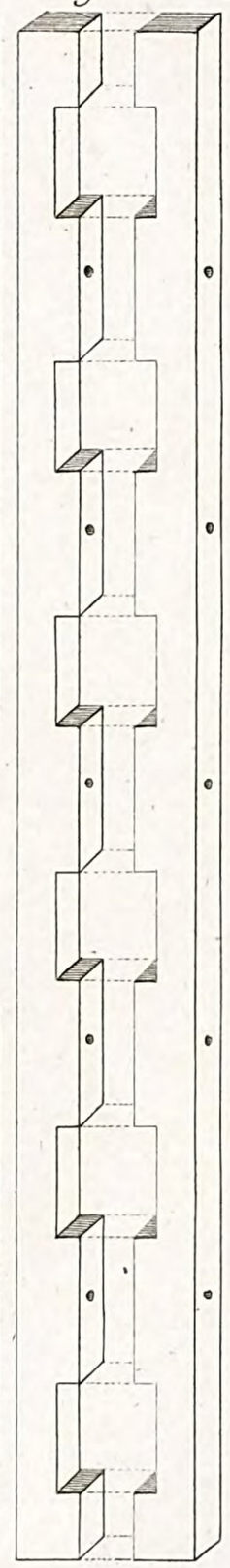


Fig. 6.

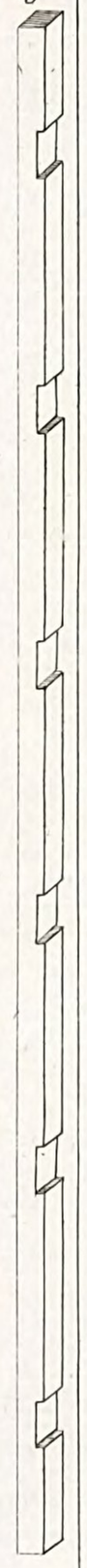


Fig. 7.

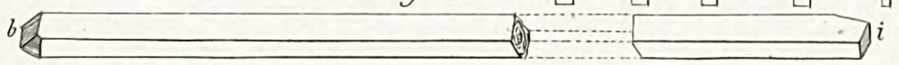


Fig. 8.

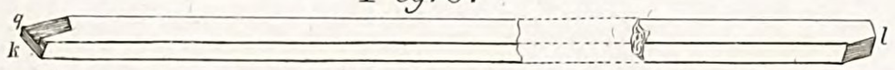


Fig. 9.

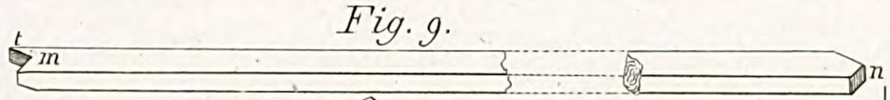
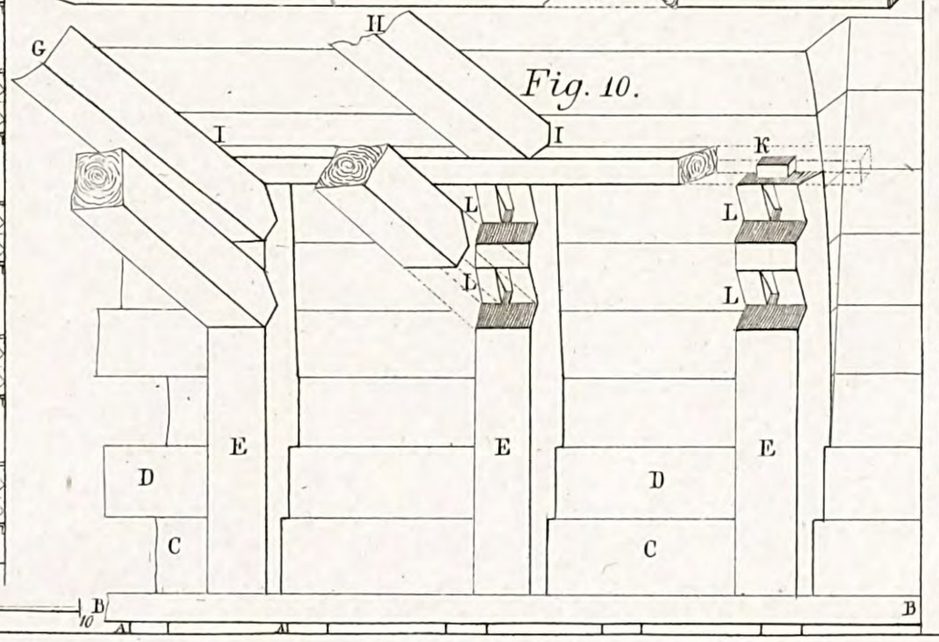


Fig. 10.



Im Orig. Taf. XXIV.

LB
Cob

LB
Cob

Fig. 1.

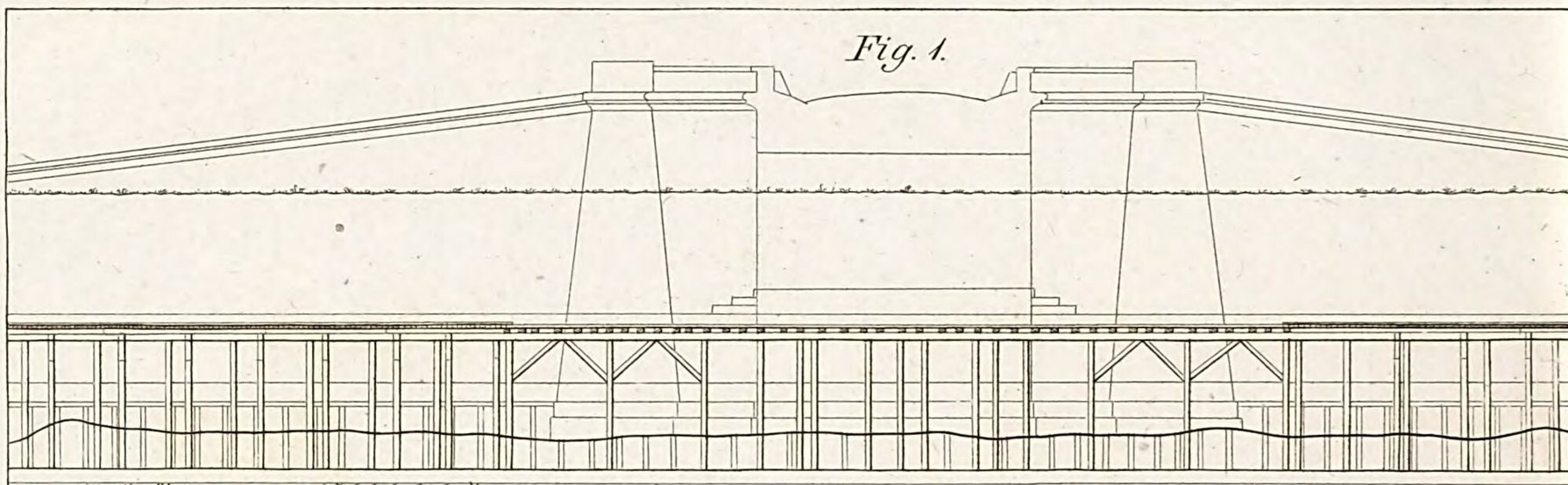


Fig. 2.

Grundriss der Nothbrücke.

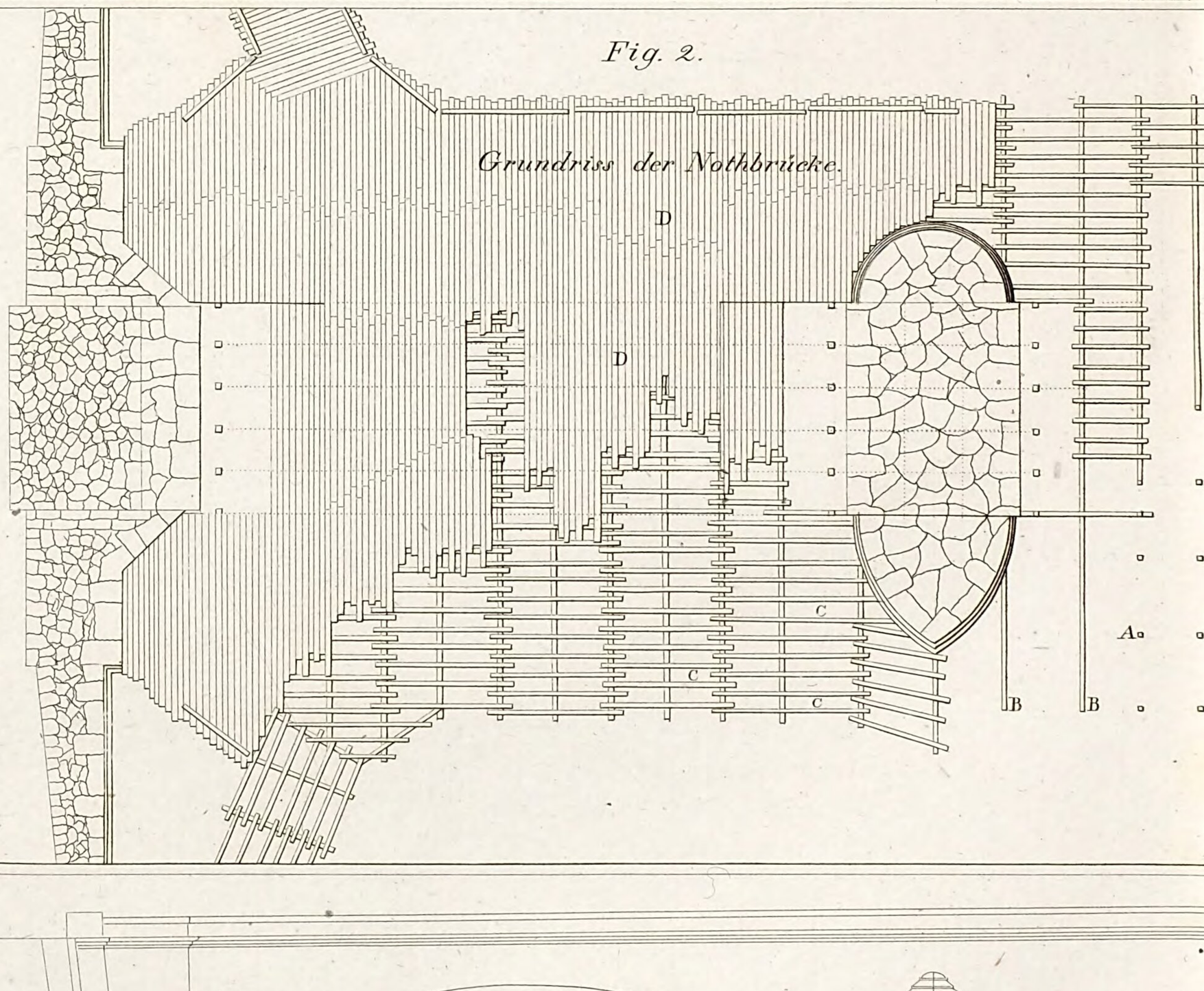
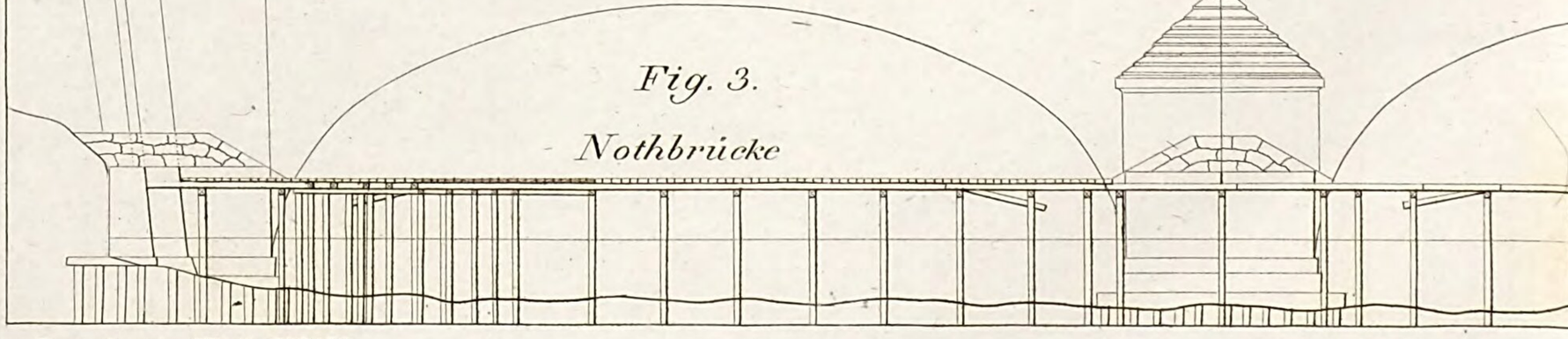


Fig. 3.

Nothbrücke



Im Orig. Taf. XXV.

Aufstellung der Lehrbogen.

Fig. 4.

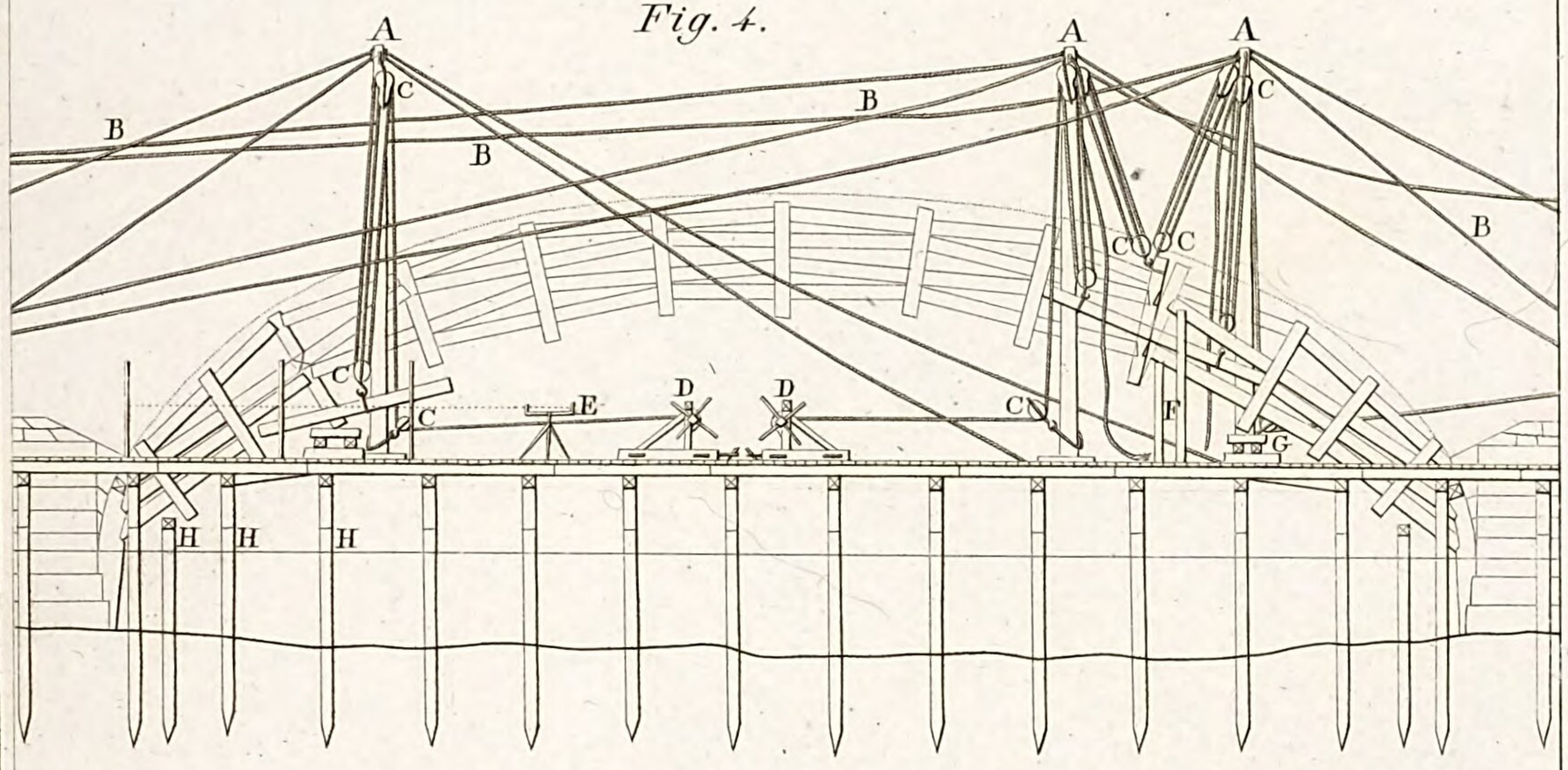
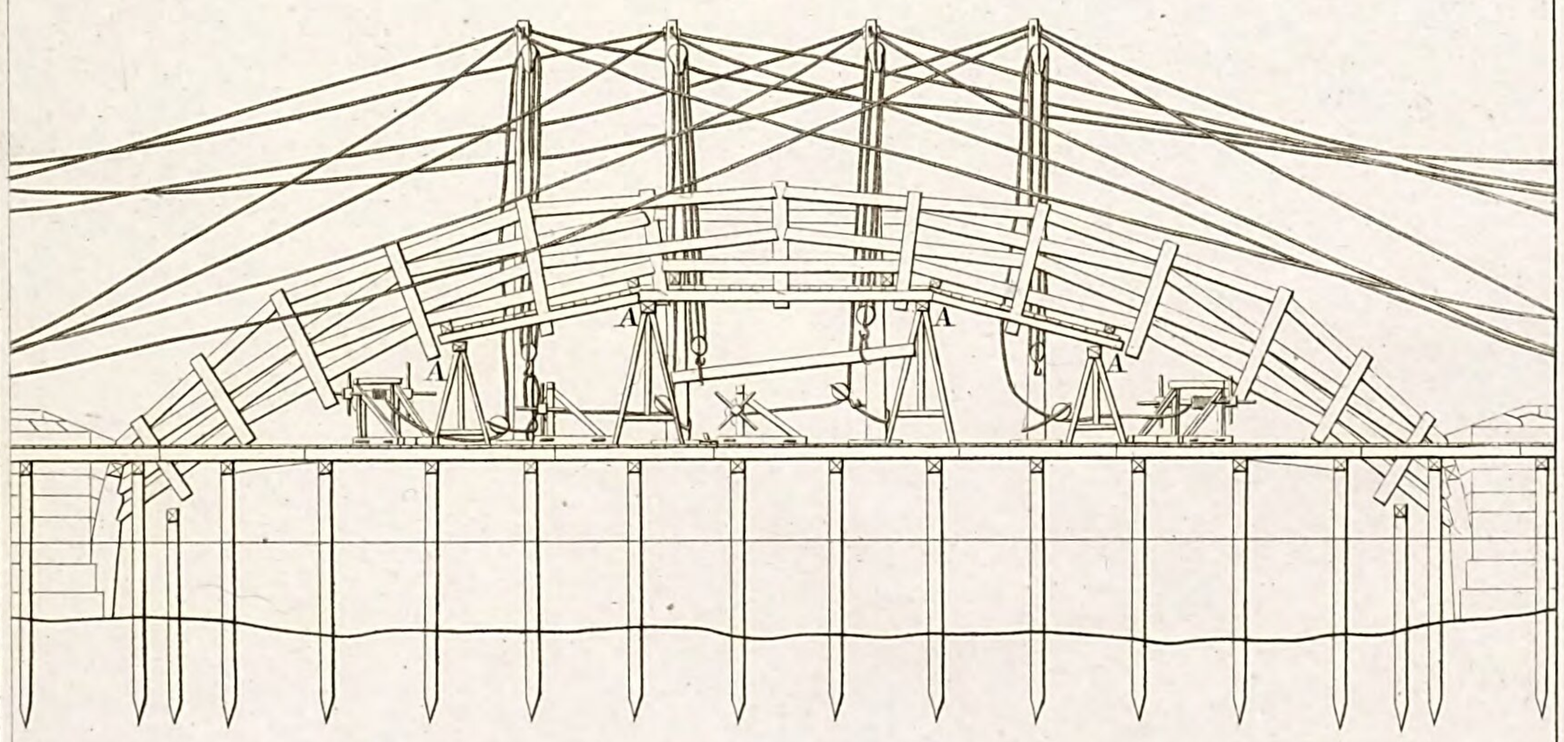


Fig. 5.



Maaßstab zur Nothbrücke.

1. 2. 3. 4. 5. 10. T.

Maaßstab zu den Lehrbogen.

1. 2. 3. 4. 5. 10. T.

Coburger
Landes-
Bücherei

Fig. 1.

Maaßstab von 5 Toisen für Fig. 1.

Bogen von 120 Fuß

Fig. 6.

Fig. 5.

Fig. 7.

Fig. 8.

Fig. 2.

Maaßstab von 2 Fuß, für Fig. 2.

Fig. 3.

Fig. 9.

Fig. 4.

Fig. 11.

Fig. 12.

Fig. 10.

Im Orig: Taf: XXVI.

I.C.Böhme sc:

LB
Cob

LB
Cob

Aufbringen der Steine

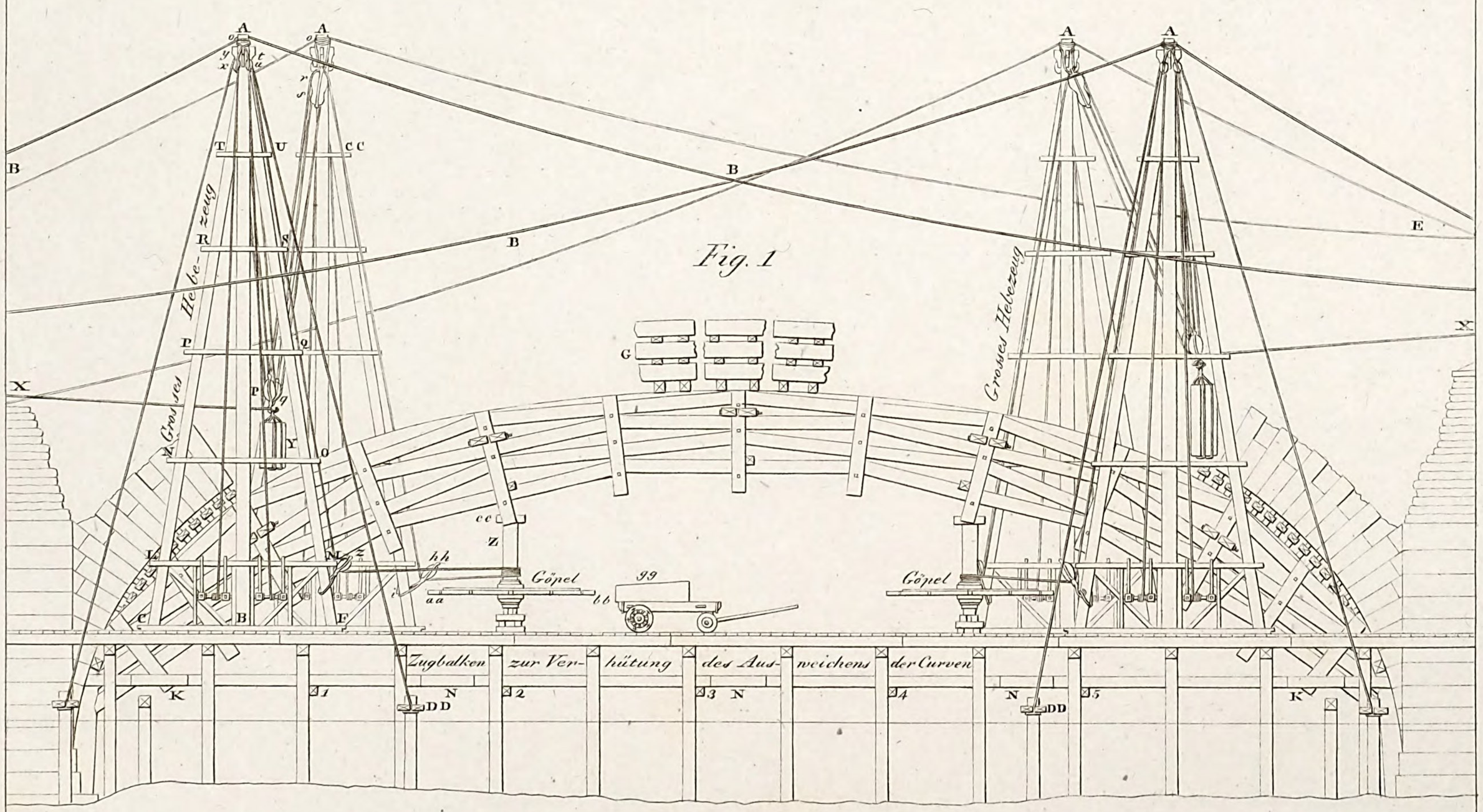
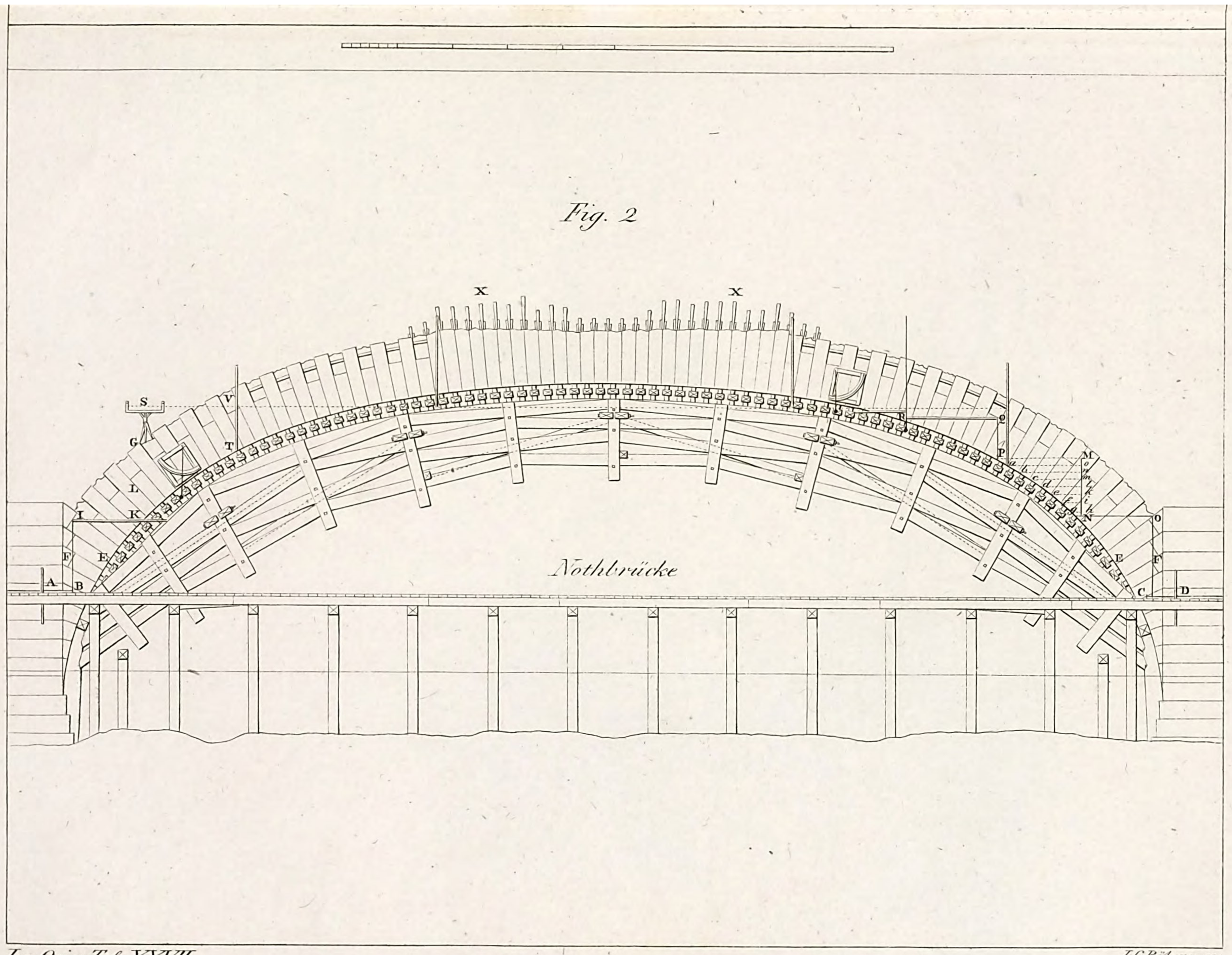


Fig. 1

Fig. 2

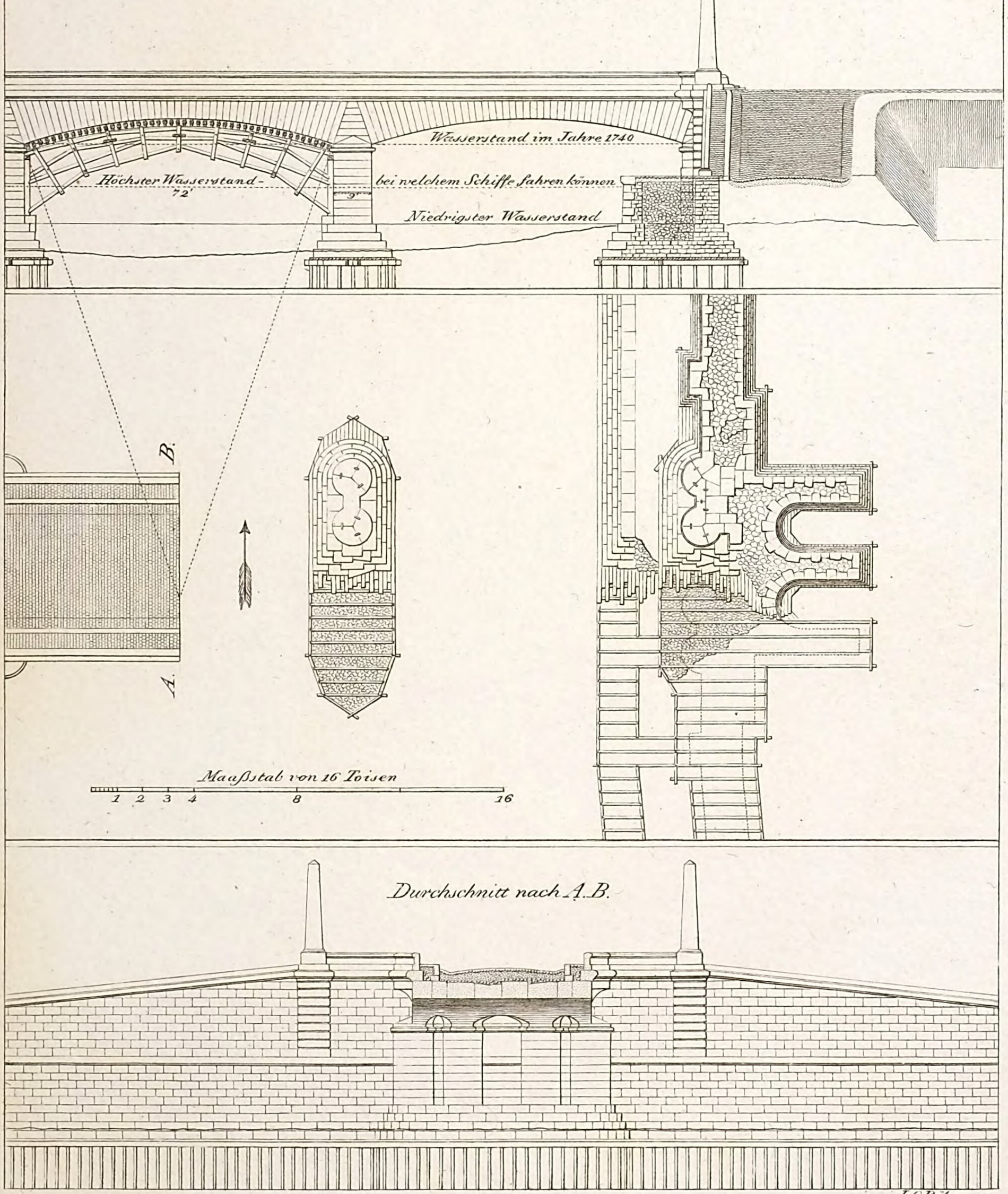


Im Orig: Taf: XXVII.

I.C.Böhme sc.

LB
Cob

Zeichnung zu einer Brücke über die Oise zu Pont Sainte Maixence.



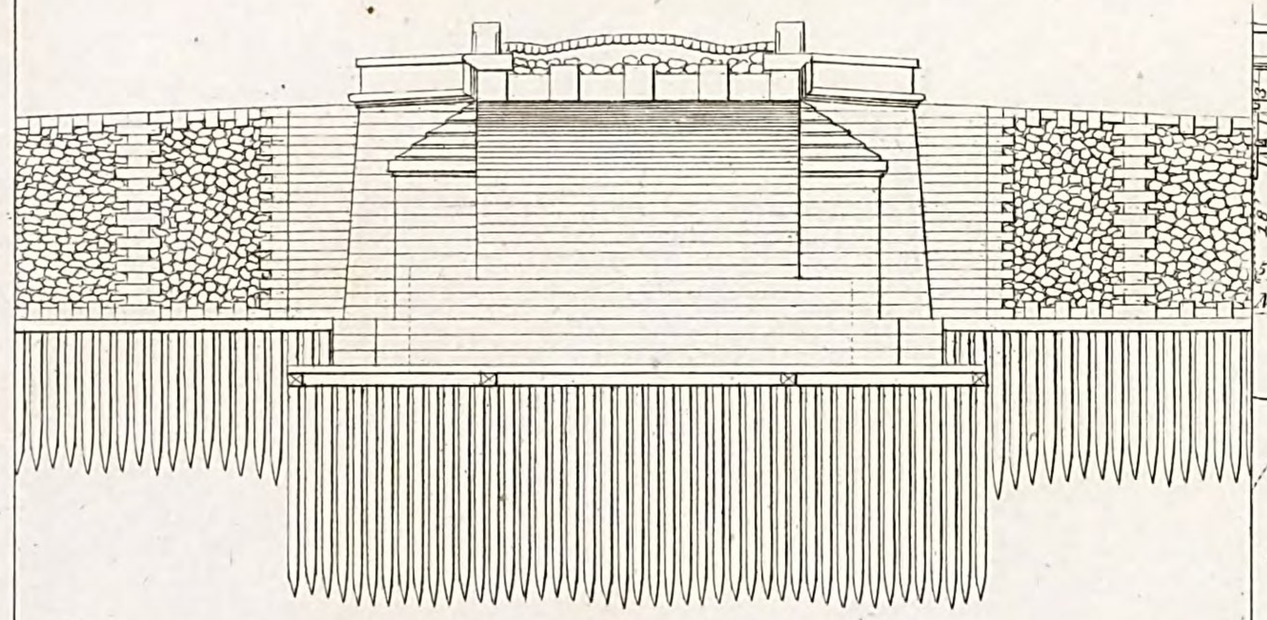
Im Orig: Taf: XXX.

I: C: Böhme sc:

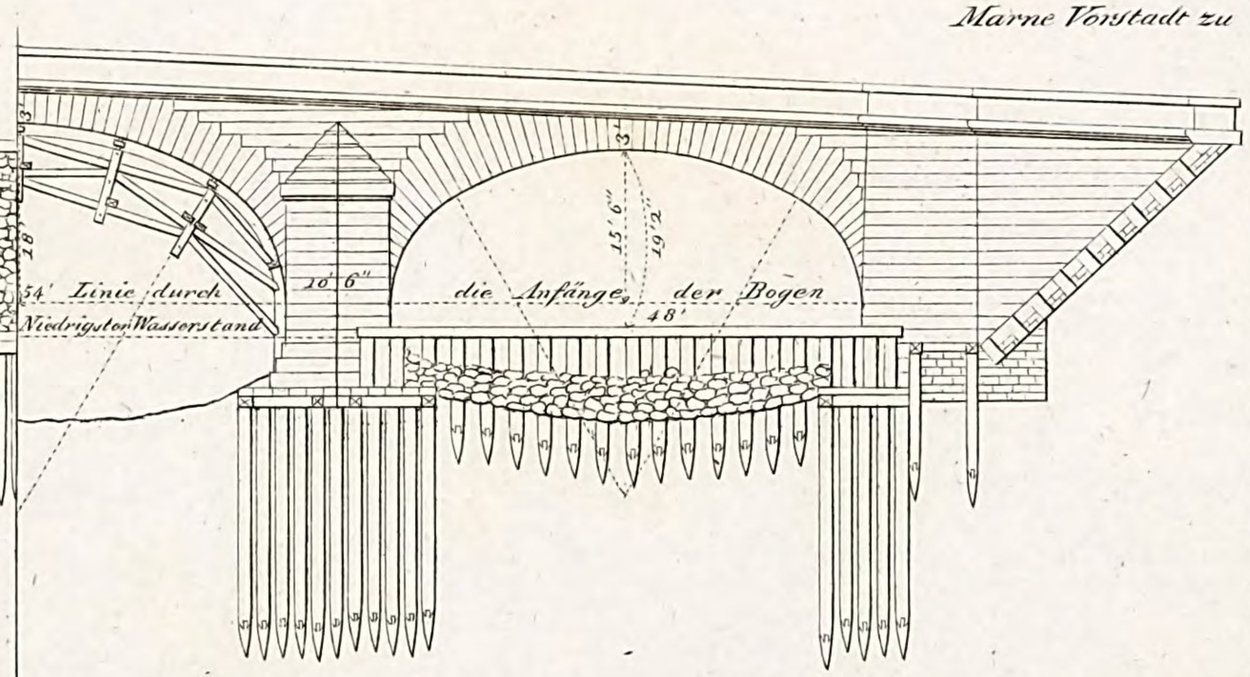
LB
Cob

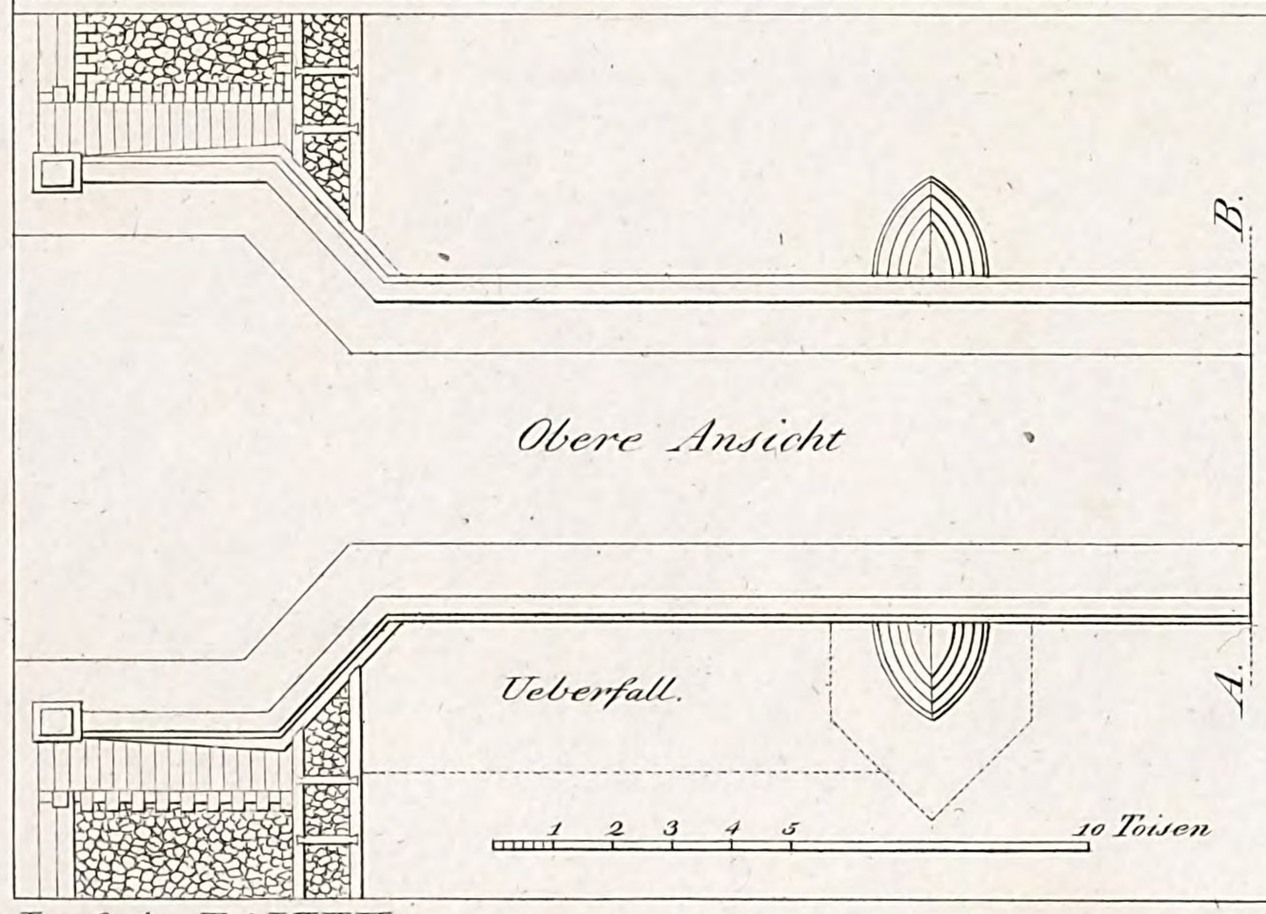
Brücke über die Marne bei Chateau Thierry.

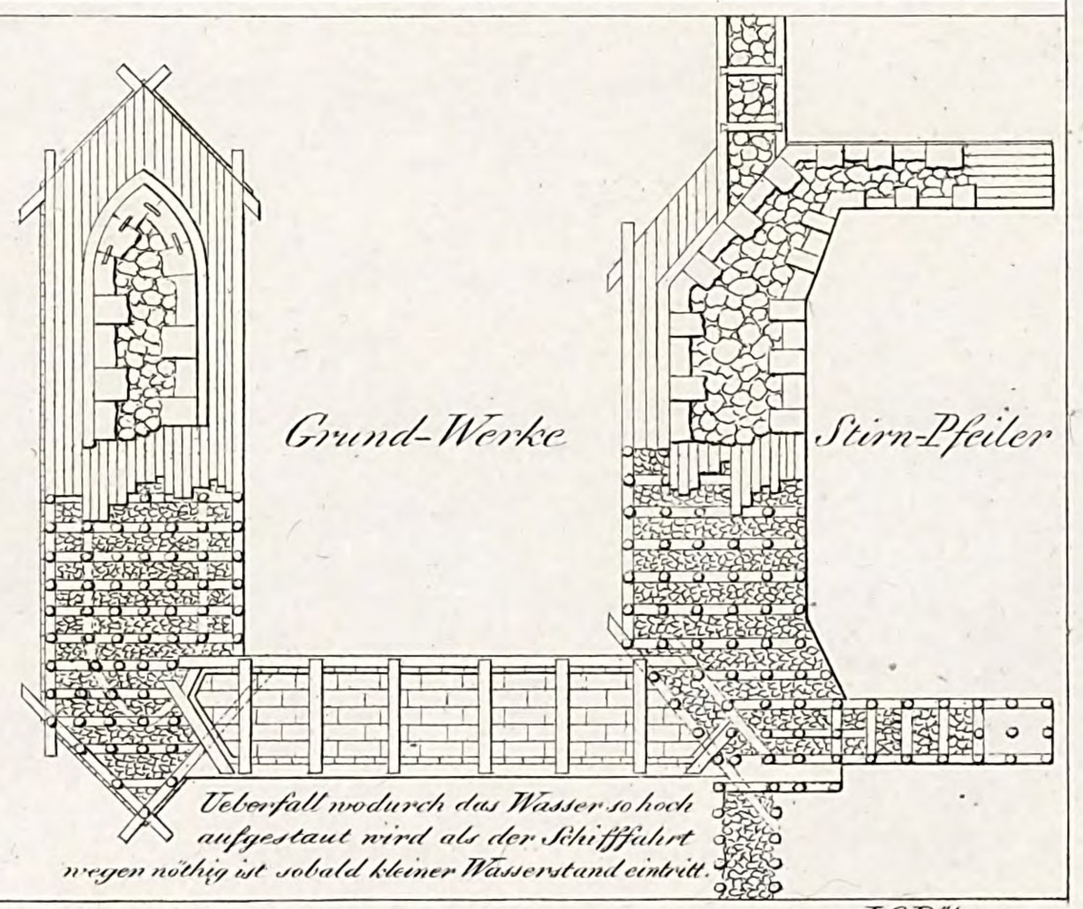
Durchschnitt nach A. B.



Seite nach der Marne Vorstadt zu





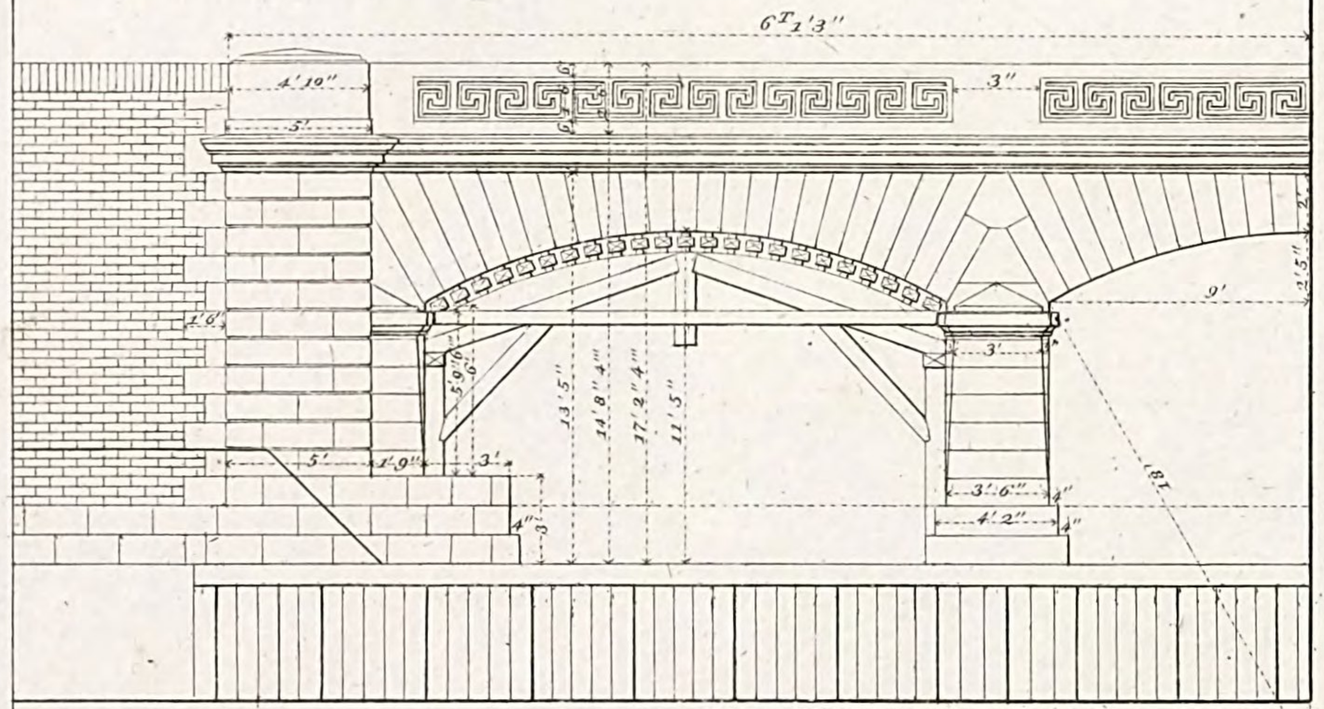


Im Orig: Taf. XXXI.

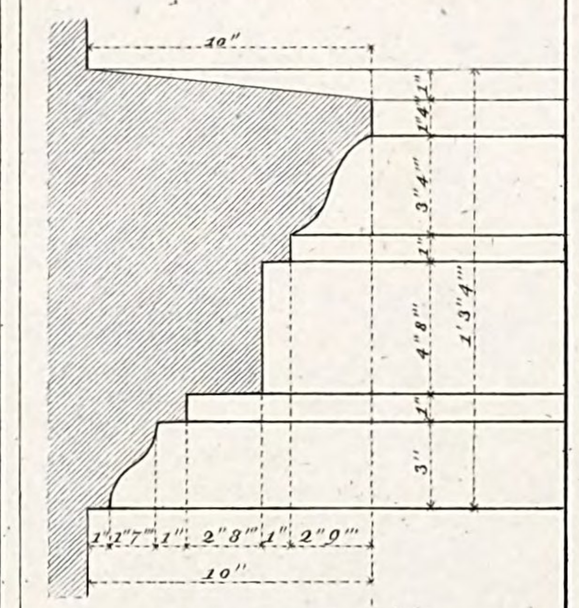
I. C. Böhme sc.

LB
Cob

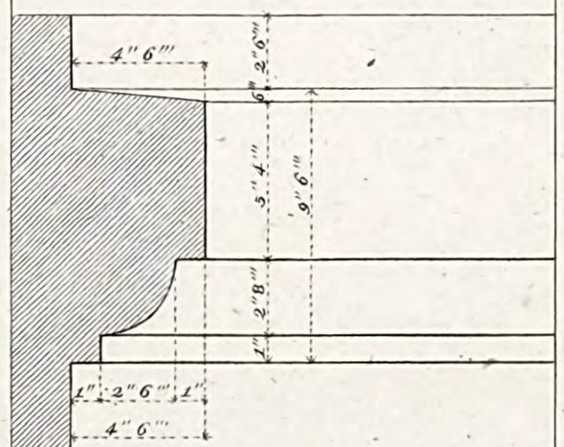
Brücke über den Hieres.



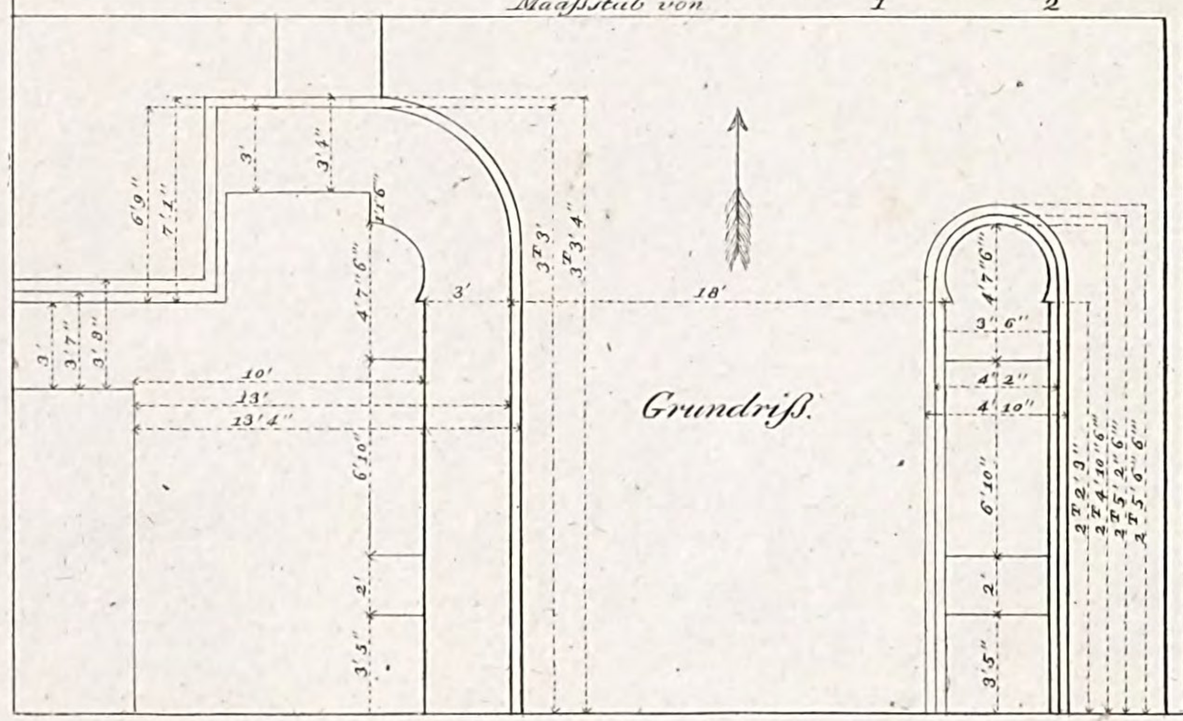
Durchschnitt des Hauptgesimses



Durchschnitt des Gesimses auf den Pfeilern

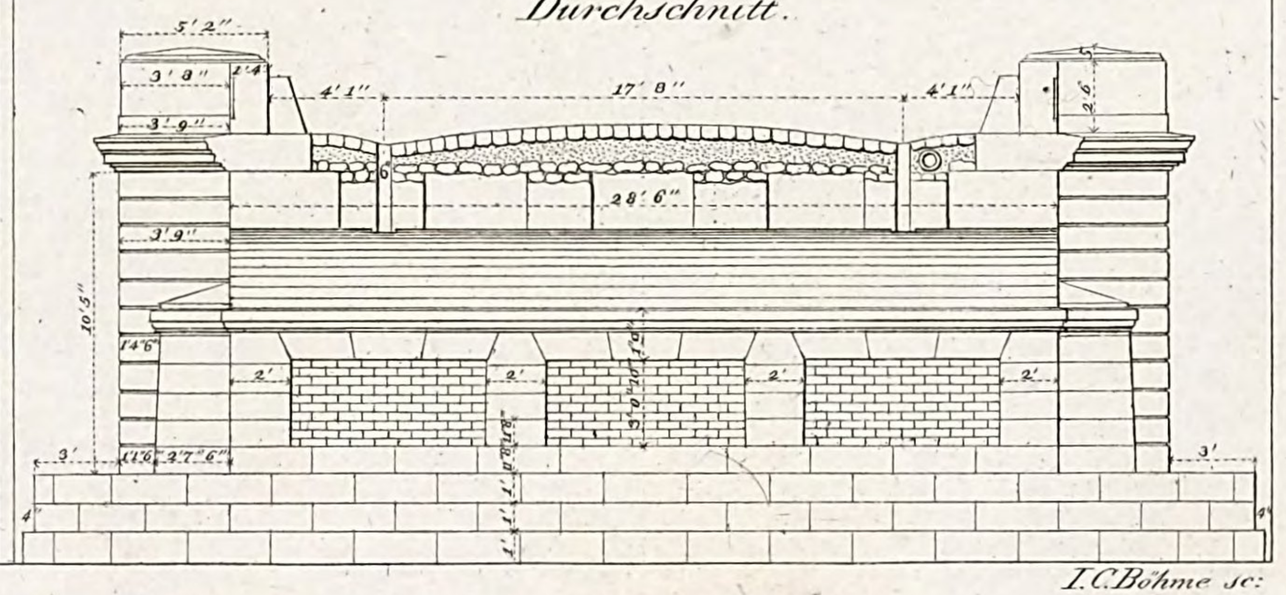


Maaßstab von 1 2 3 4 5 6 Toisen



Grundriß.

Durchschnitt.

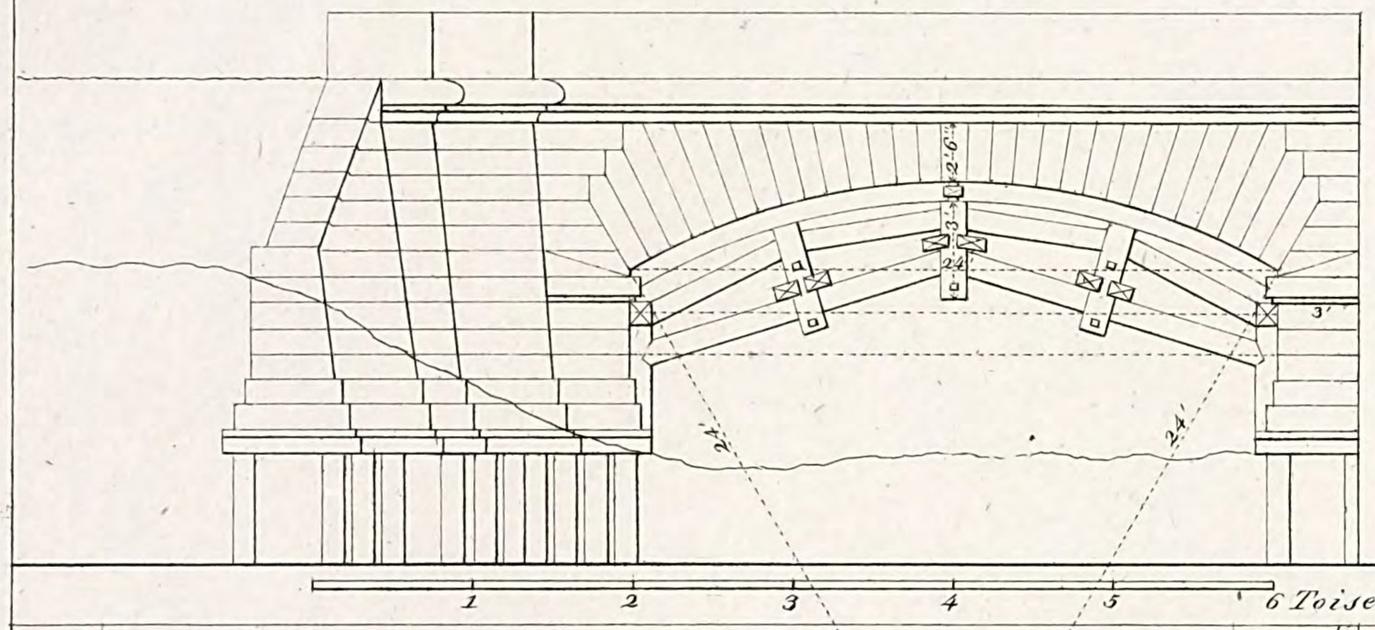


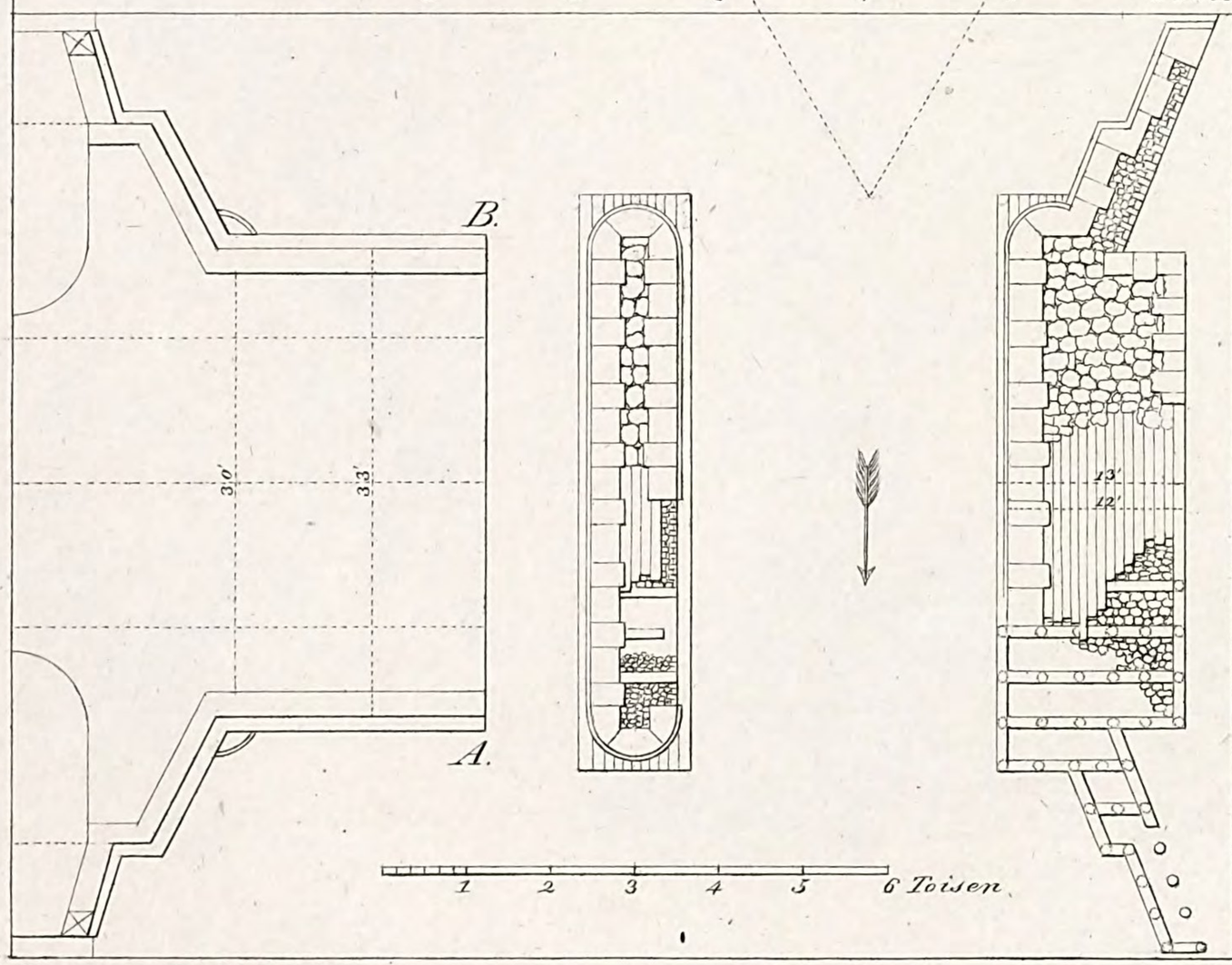
Im Orig: Taf: XXXII.

I. C. Böhme sc:

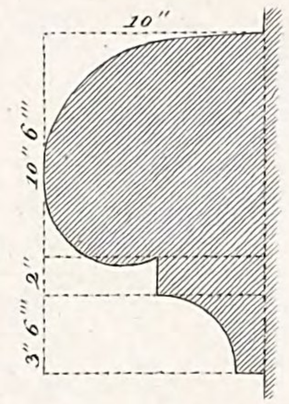
LB
Cob

Grundriß, Durchschnitt u. Aufriß der Brücke bei Rosoi auf der Strasse von Paris nach Sezanne.

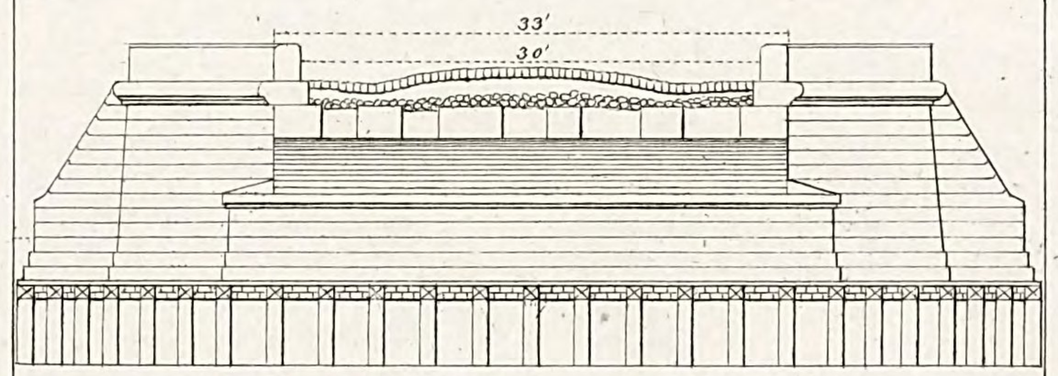




Durchschnitt des Gesimses.



Durchschnitt nach A.B.



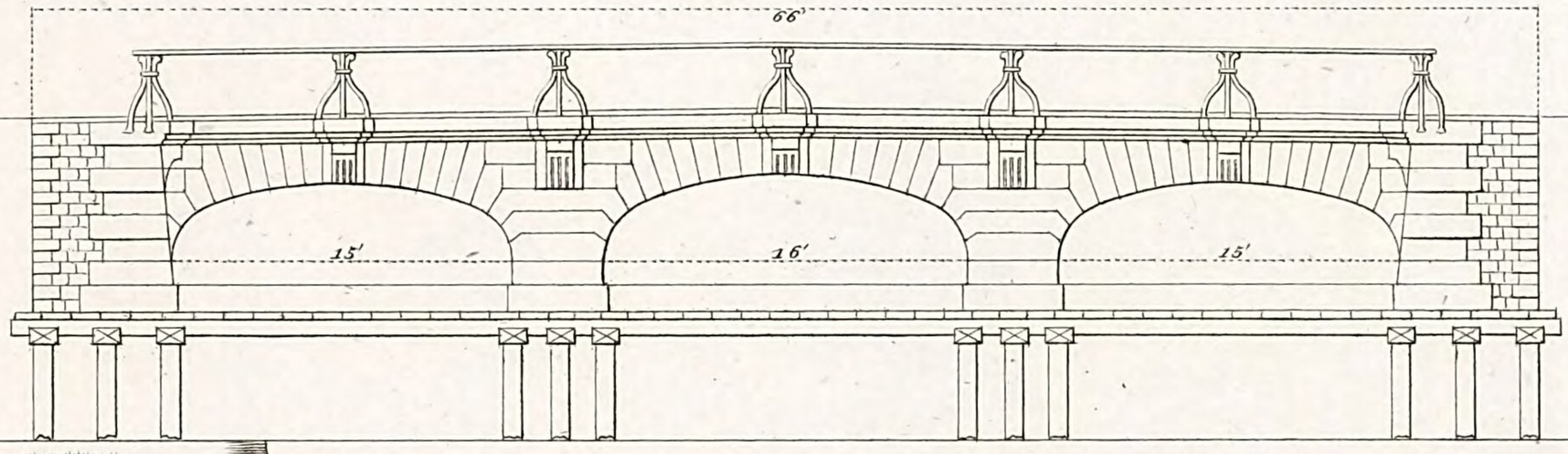
Im Orig: Taf: XXXIII.

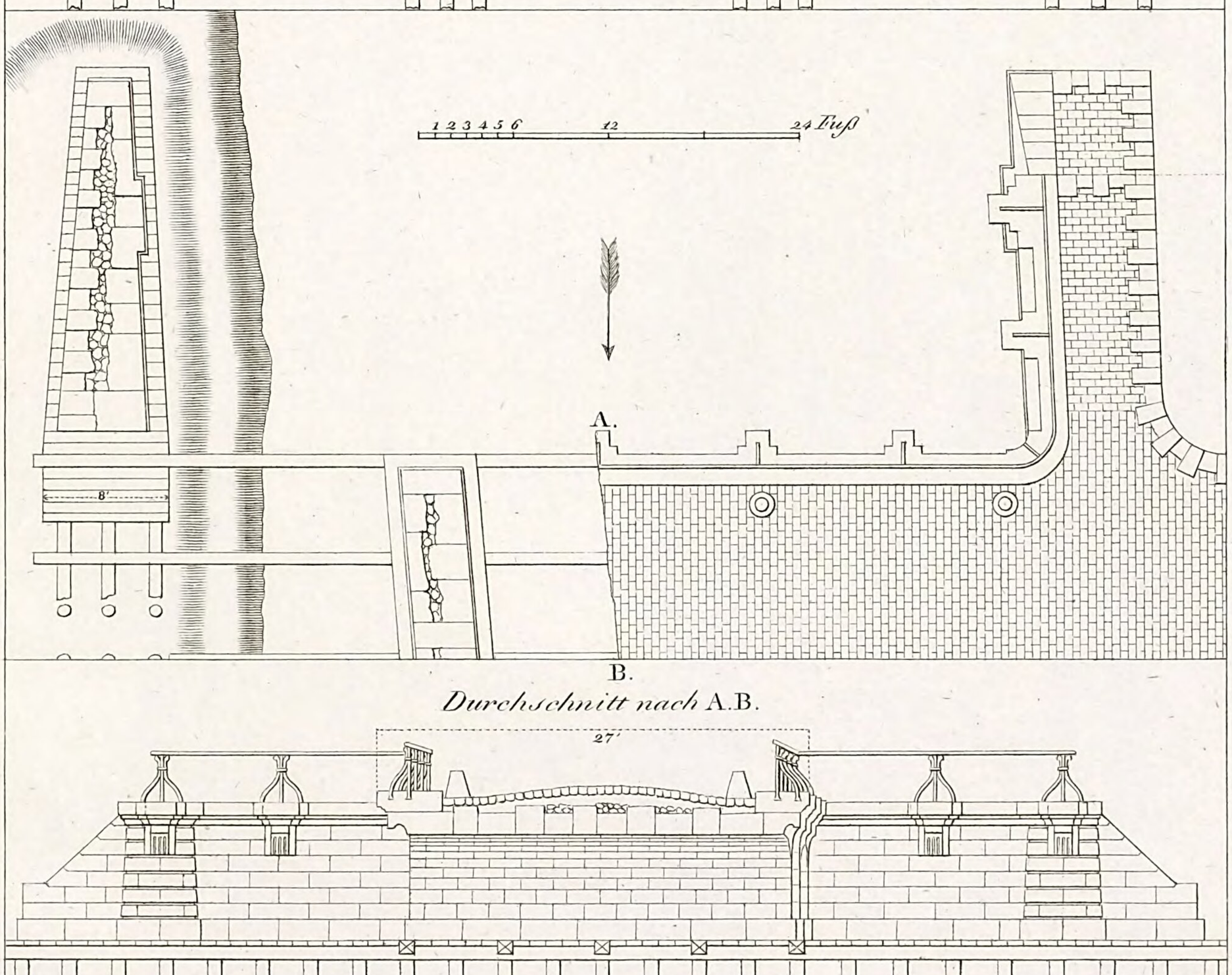
I.C.Böhme sc.

LB
Cob

Brücke bei den Wasserkünsten, über den Nonnette Fluß bei Chantilly.

Erbauet im Iahre 1760





Durchschnitt nach A.B.

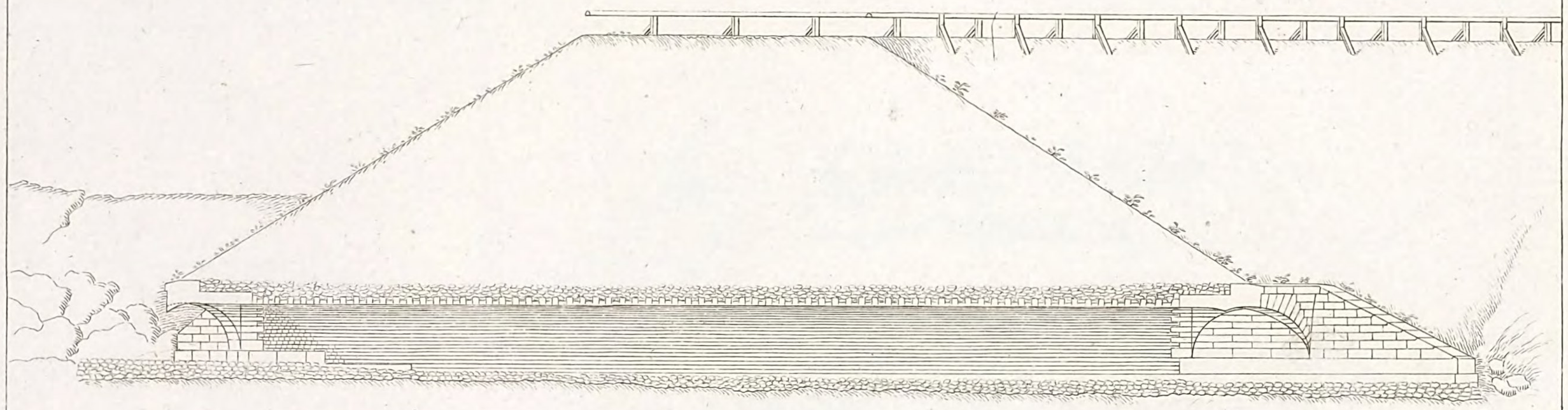
Im Orig: Taf: XXXIV.

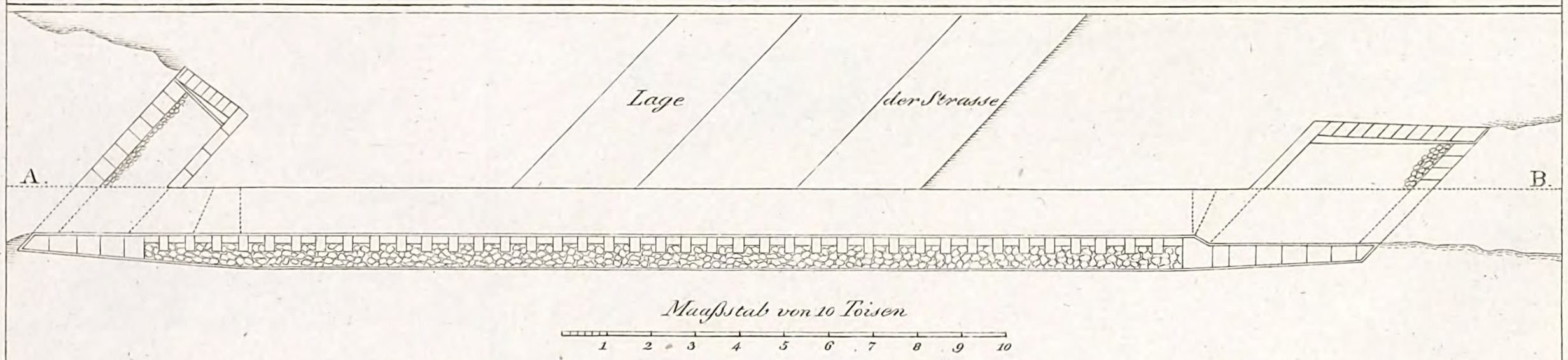
I.C.Böhme sc.

LB
Cob

Grundriß und Durchschnitt des schiefen Bogens über den Bicheret Bach etwas jenseit Lagny auf der Strasse nach Deutschland über Coulommiers.

Durchschnitt nach A. B.





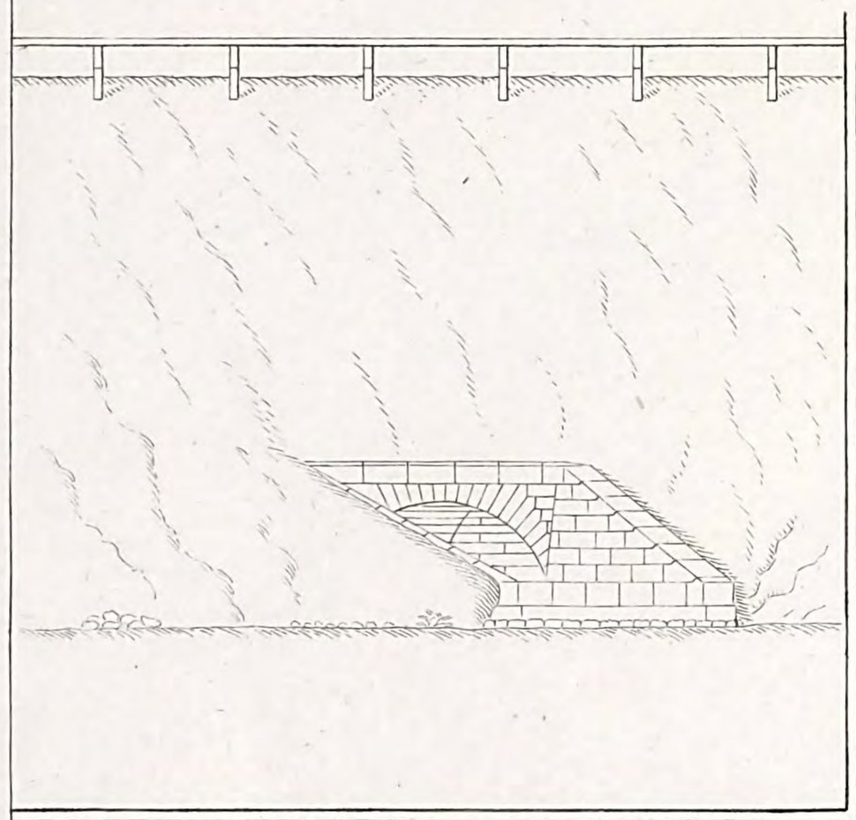
Im Orig: Taf: XXXIV ⋆

I.C.Böhme sc.

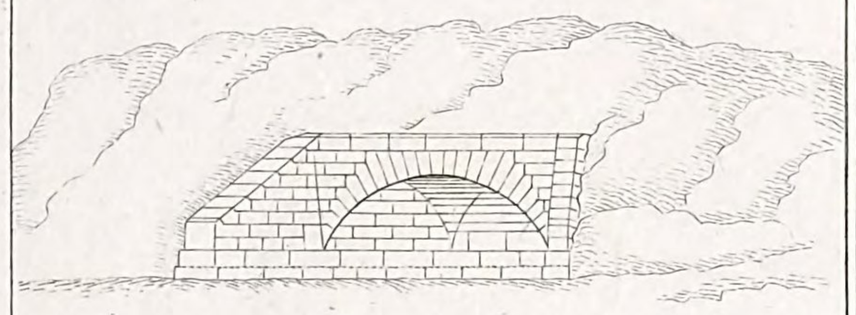
LB
Cob

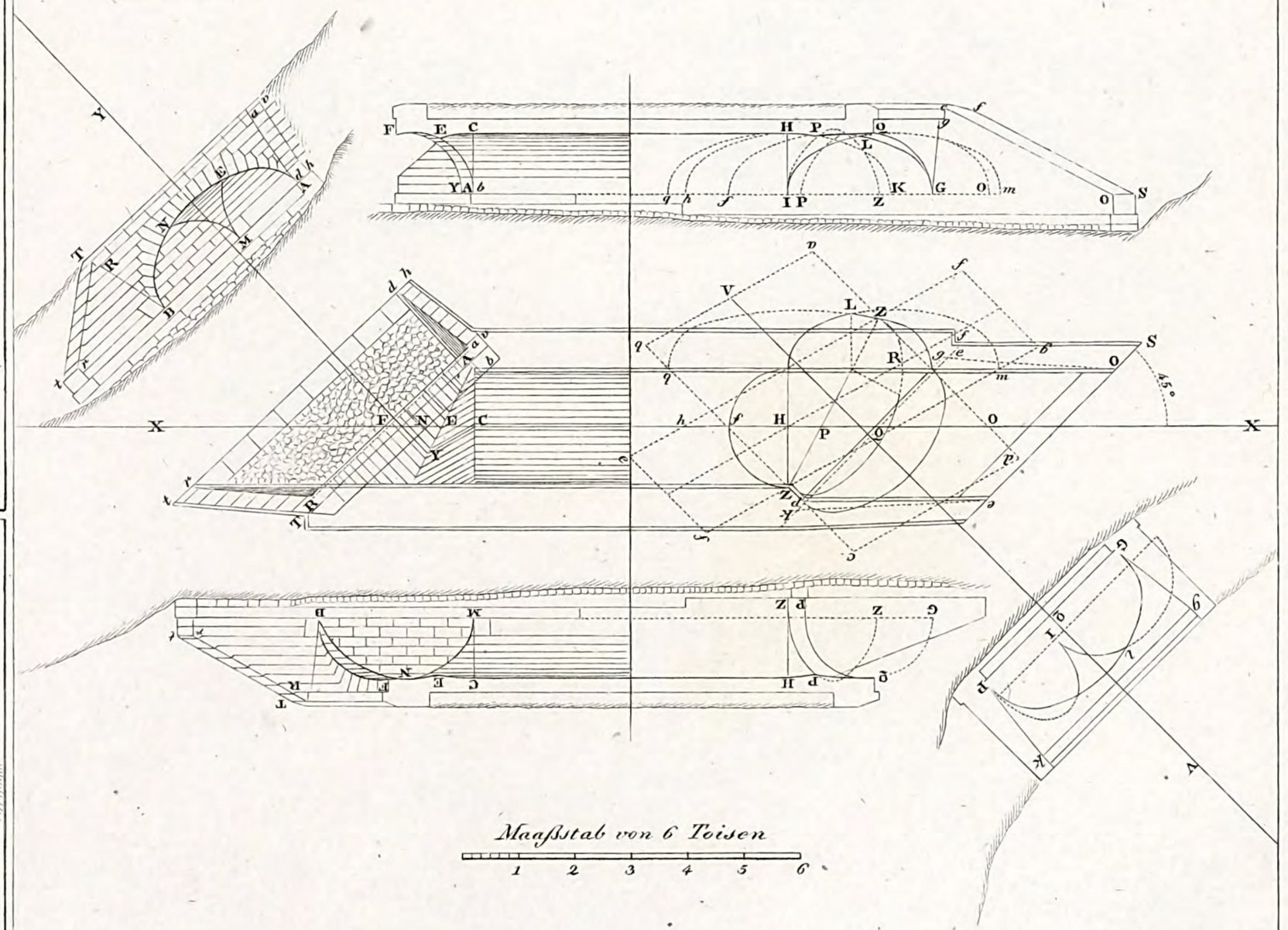
Ansichten und Lehren von dem schiefen Bogen über den Bicheret Bach etwas jenseit Lagnÿ auf der Strasse nach Deutschland über Coulommiers.

Ansicht des Oberhaupts



Ansicht des Unterhaupts



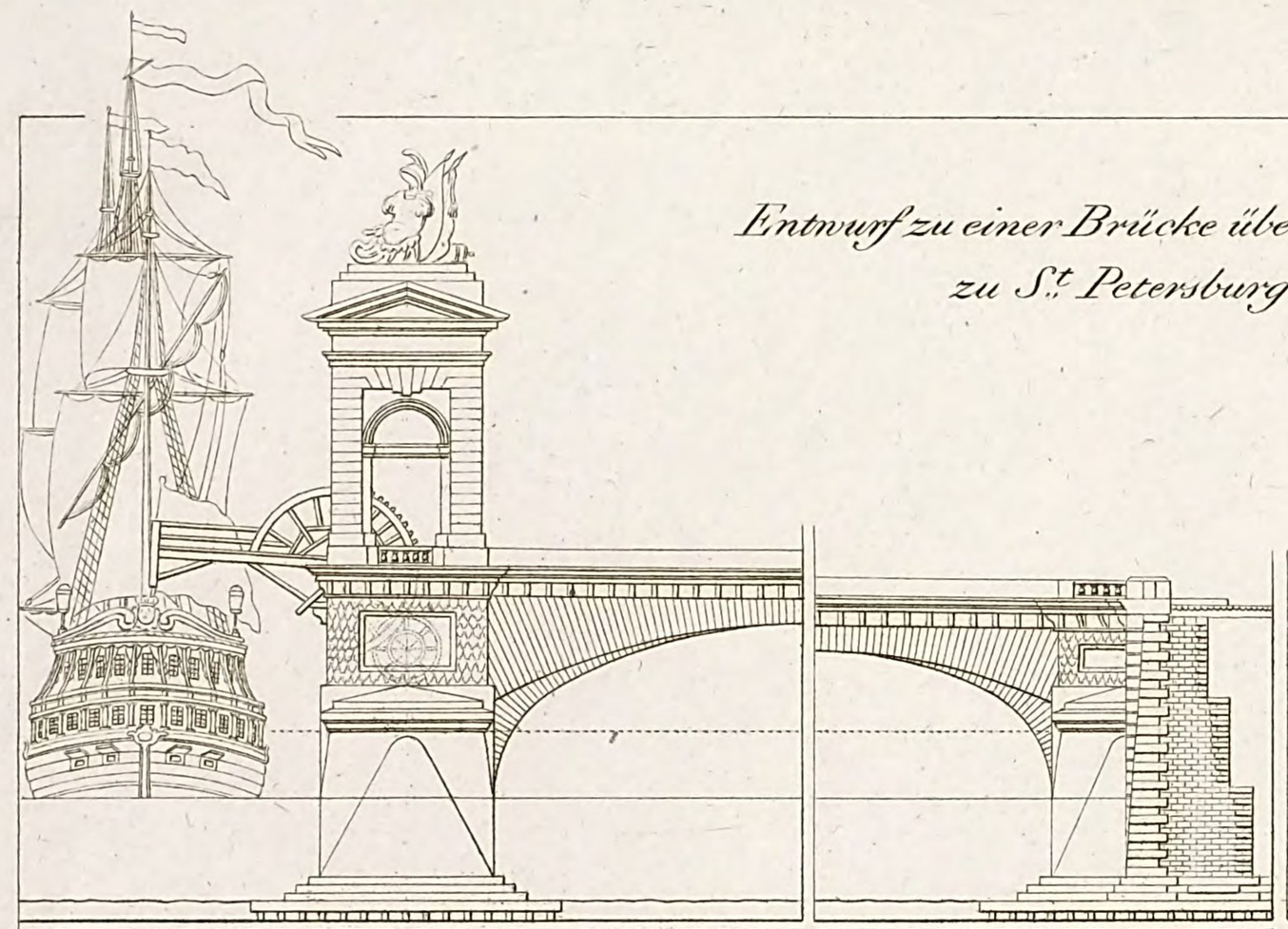


Im Orig: Taf: XXXIV * *

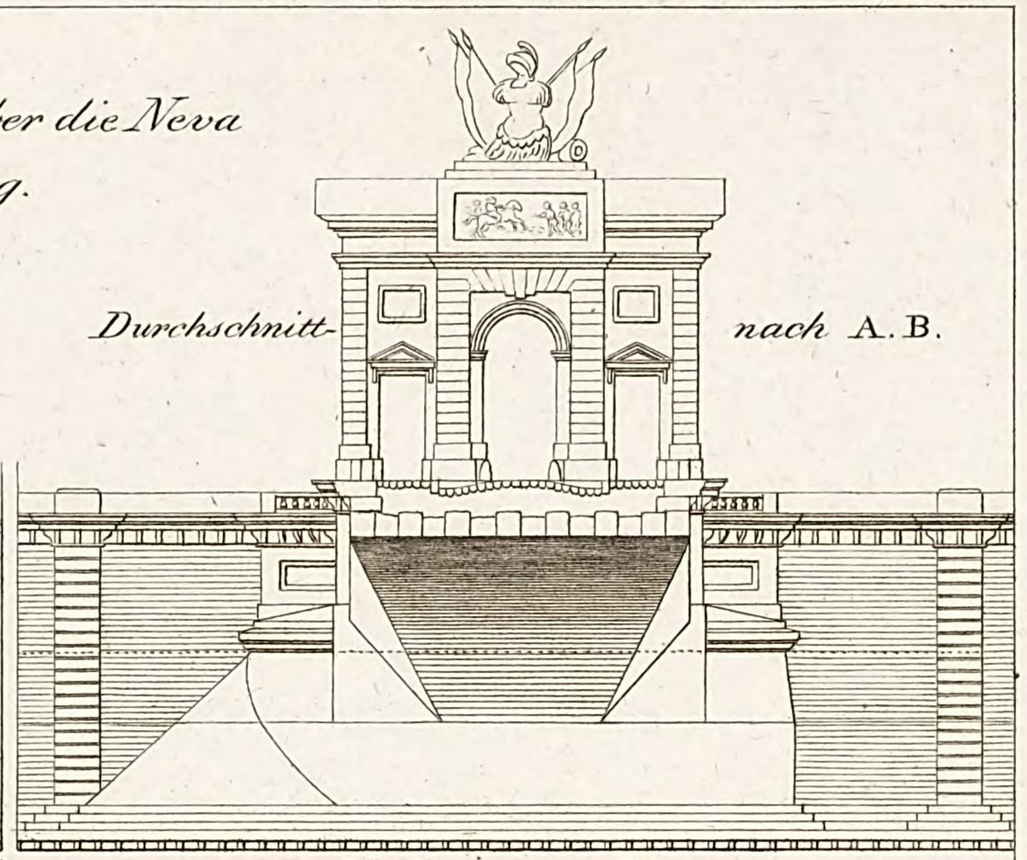
I. C. Böhme sc.

Coburger
Landes-
Bücherei

Entwurf zu einer Brücke über die Neva zu S.t Petersburg.



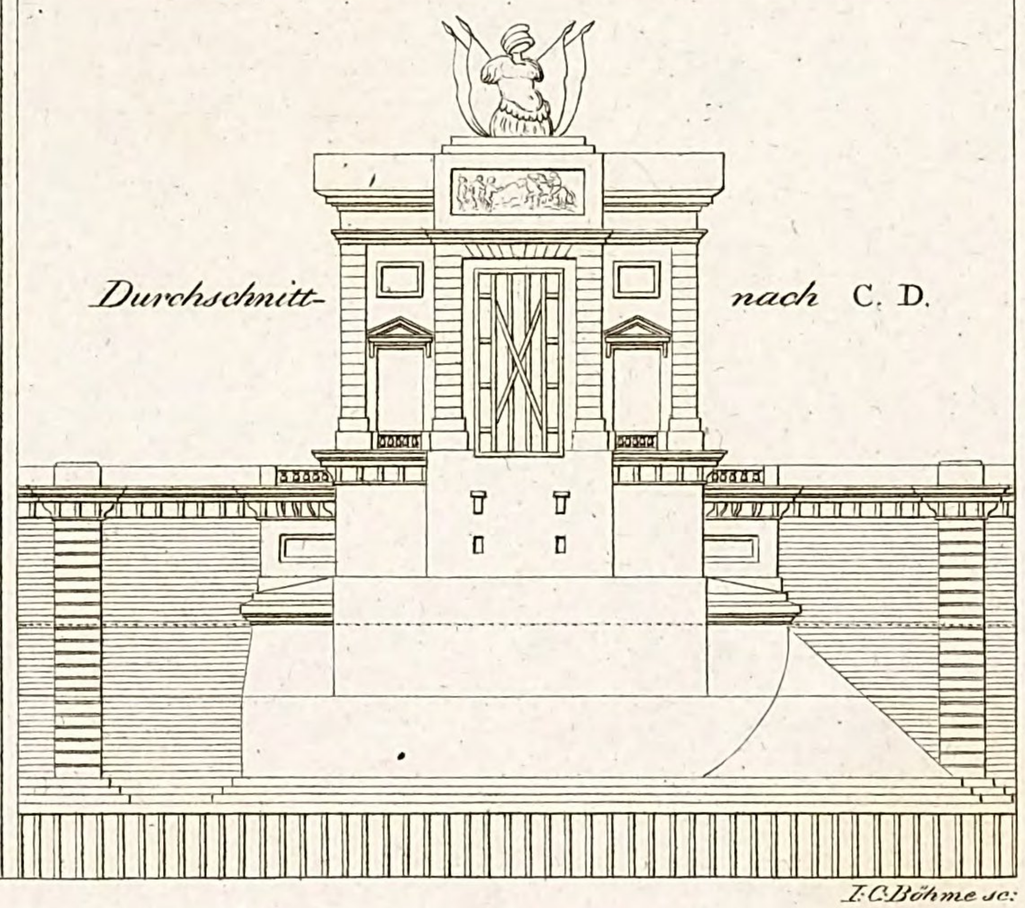
Obere Ansicht der Brücke.



Durchschnitt- nach A. B.

Maaßstab von 25 Toisen

1 2 3 4 5 10 15 20 25



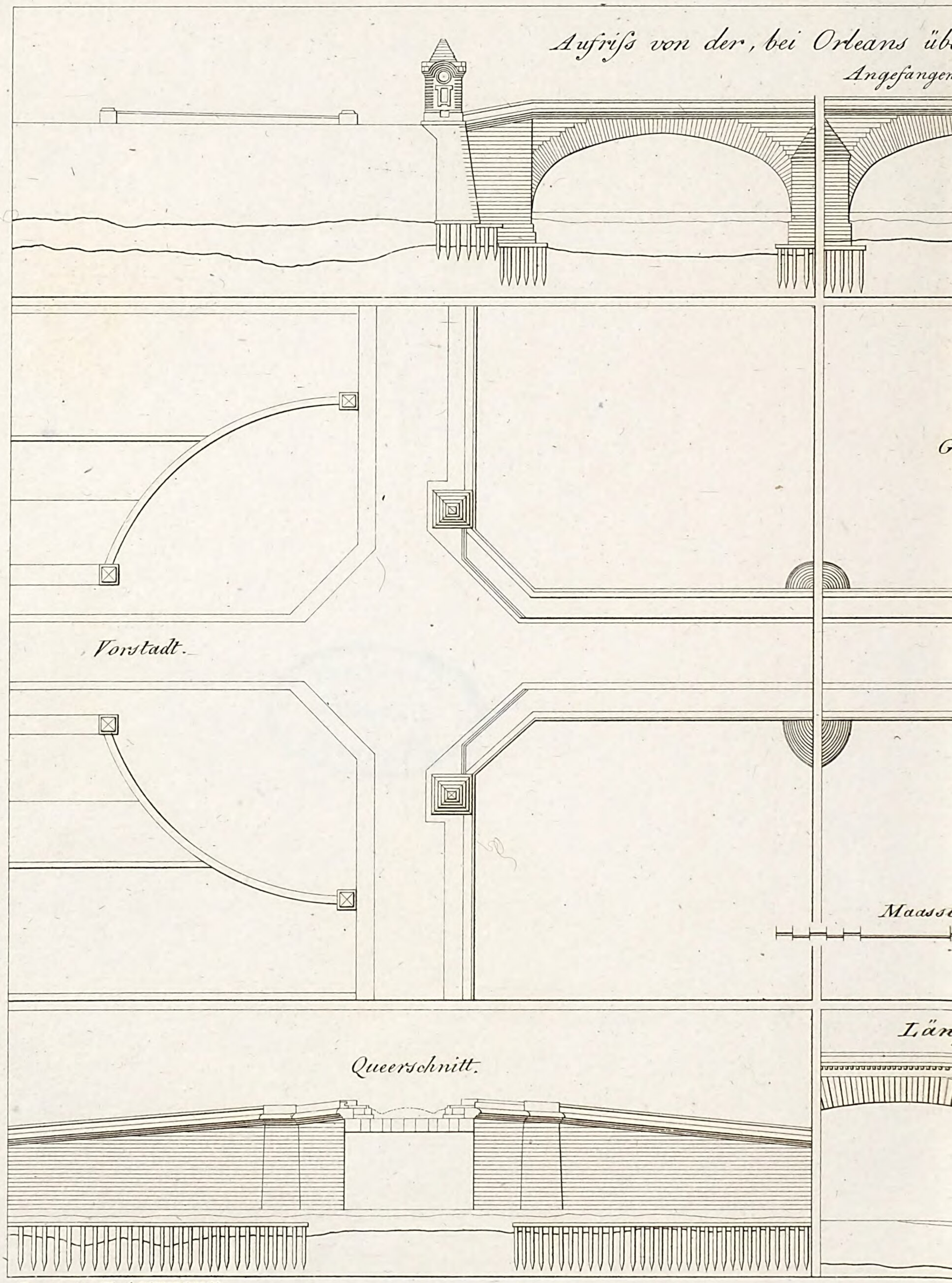
Durchschnitt- nach C. D.

Im Orig. Taf. XXXV.

I. C. Böhme sc.

Coburger
Landes-
Bücherei

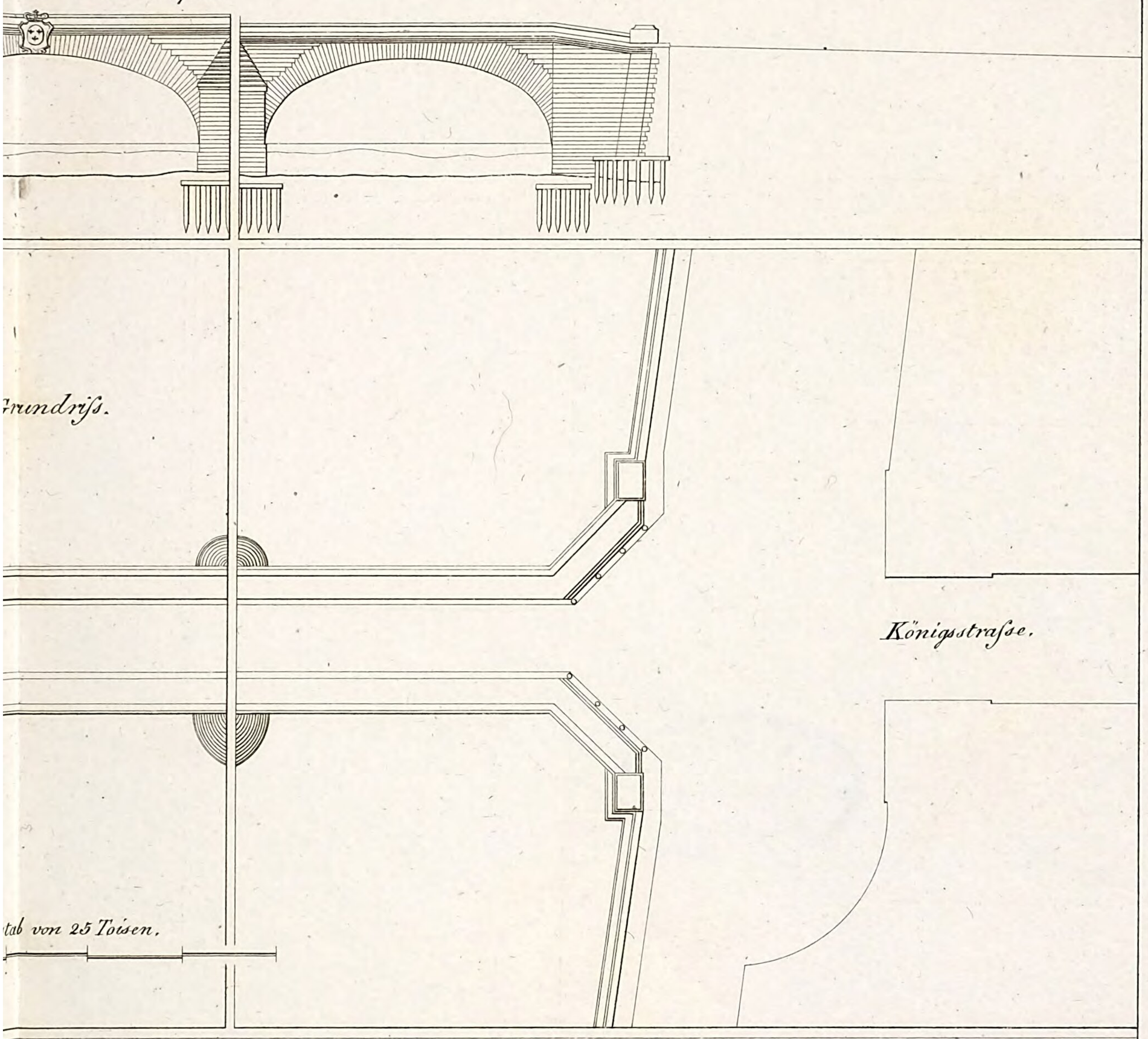
Coburger
Landes-
Bücherei



Im Orig. Taf. XXXVIII.

er die Loire, erbauten Brücke.

im Jahre 1751.



Grundriss.

Maasstab von 25 Toisen.

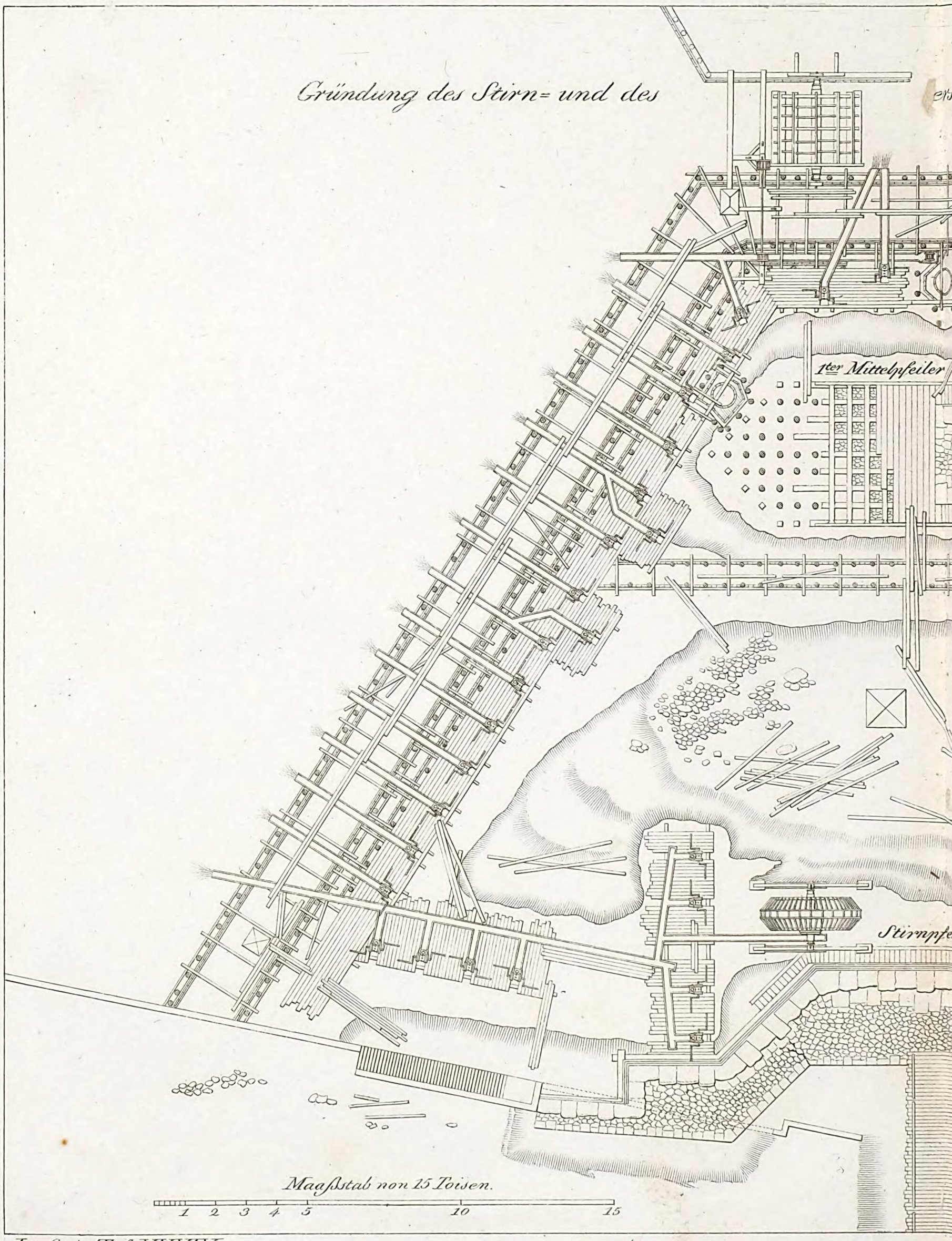
ngendurchschnitt der Brücke, mit den zwei leichter gemachten Mittelpfeilern.

F. Richter sc.

Coburger
Landes-
Bücherei

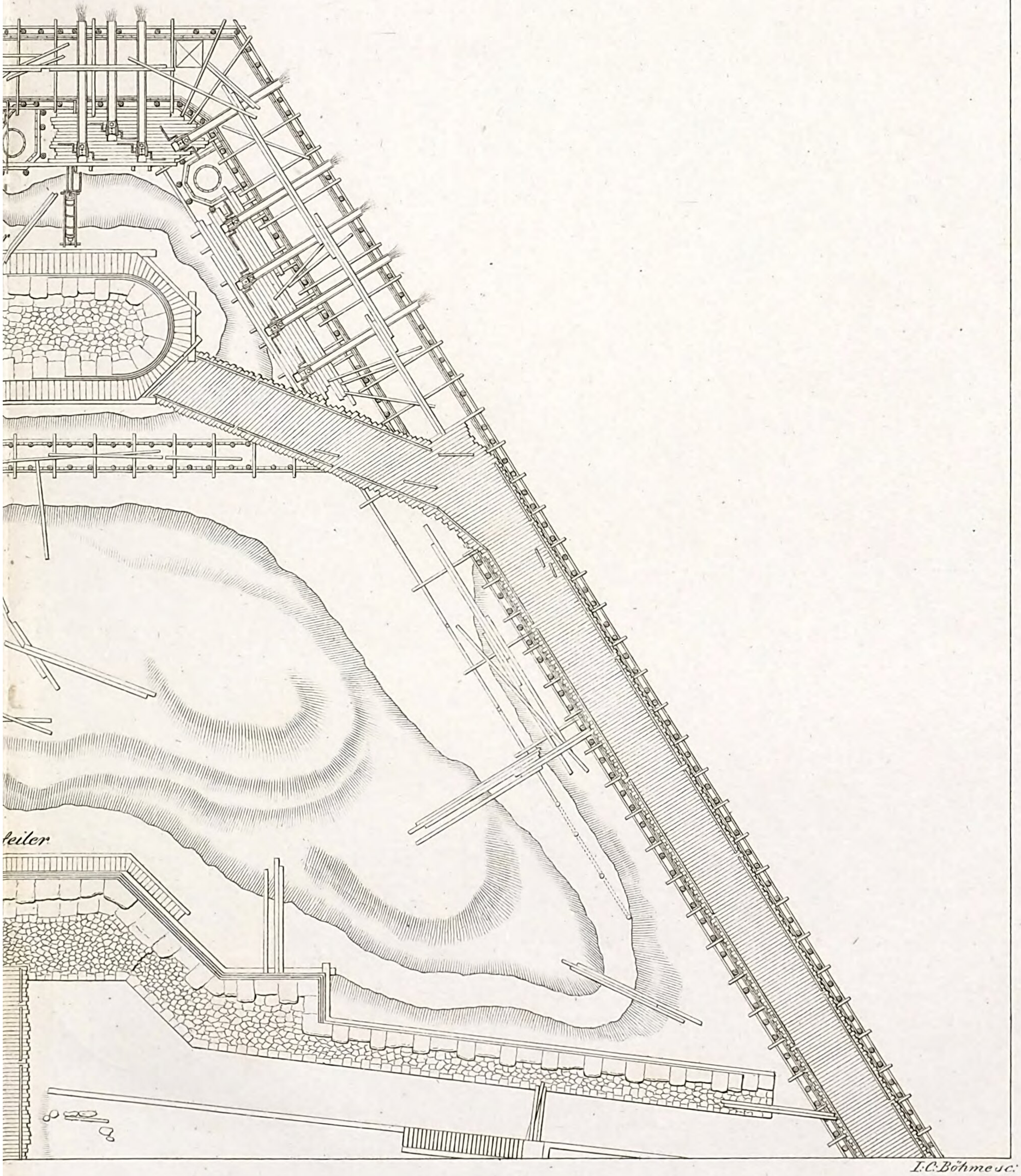
LB
Cob

Gründung des Stirn= und des



Im Orig: Taf: XXXIX.

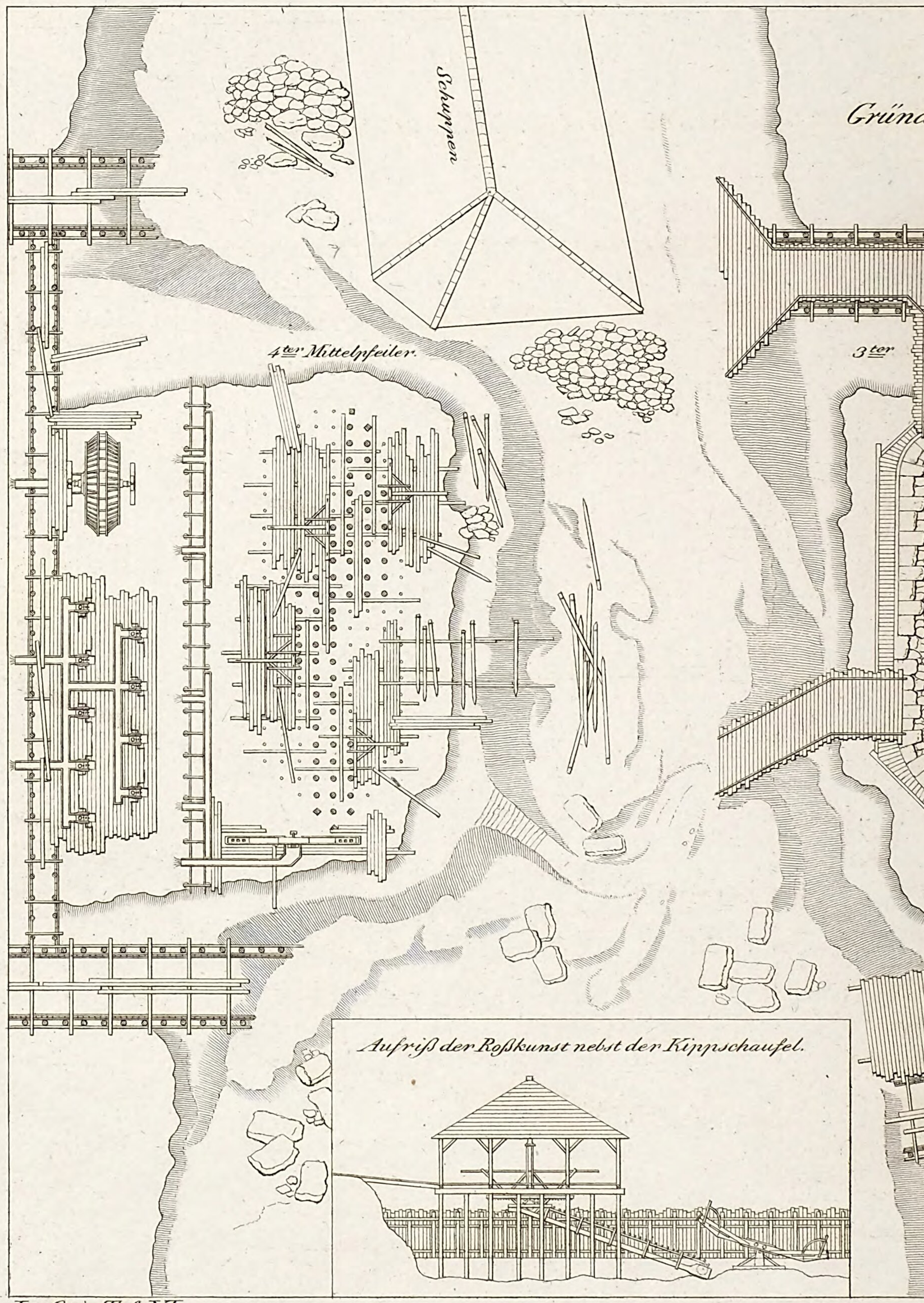
ersten Mittelpfeilers auf der Stadtseite im Jahre 1751.



I.C.Böhme sc.

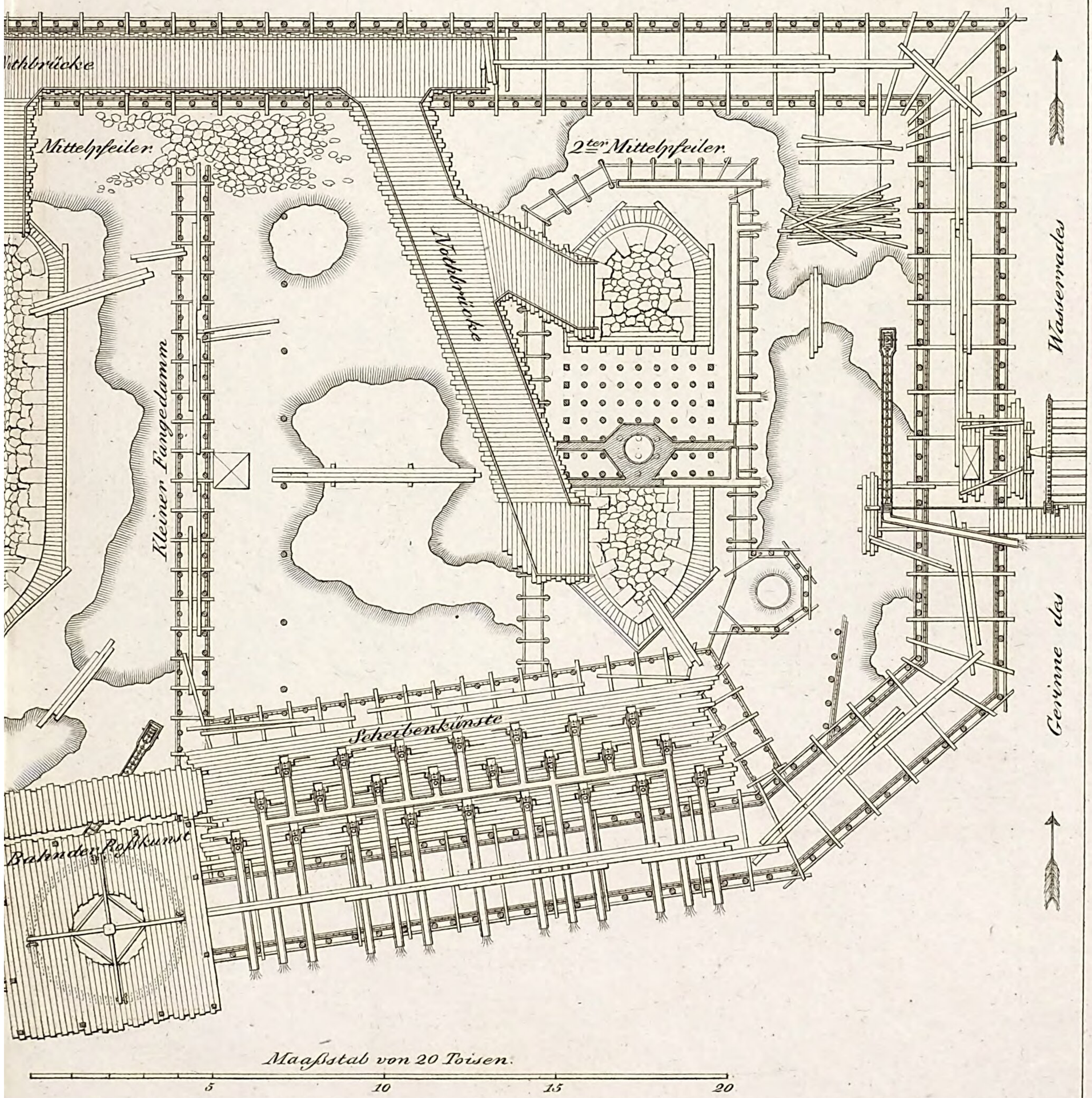
LB
Cob

LB
Cob



Im Orig. Taf. XL.

ung des 2ten 3ten und 4ten Mittelpfeilers auf der Stadtseite im Jahre 1752.

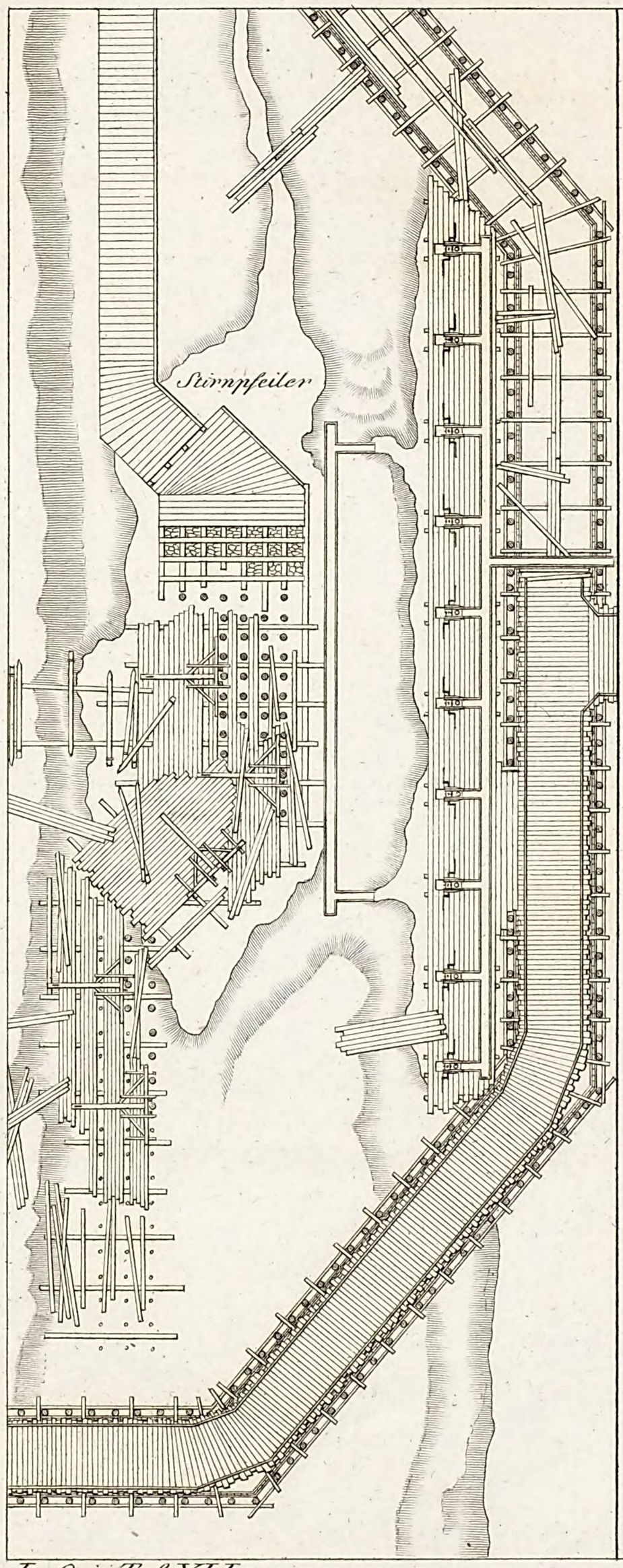


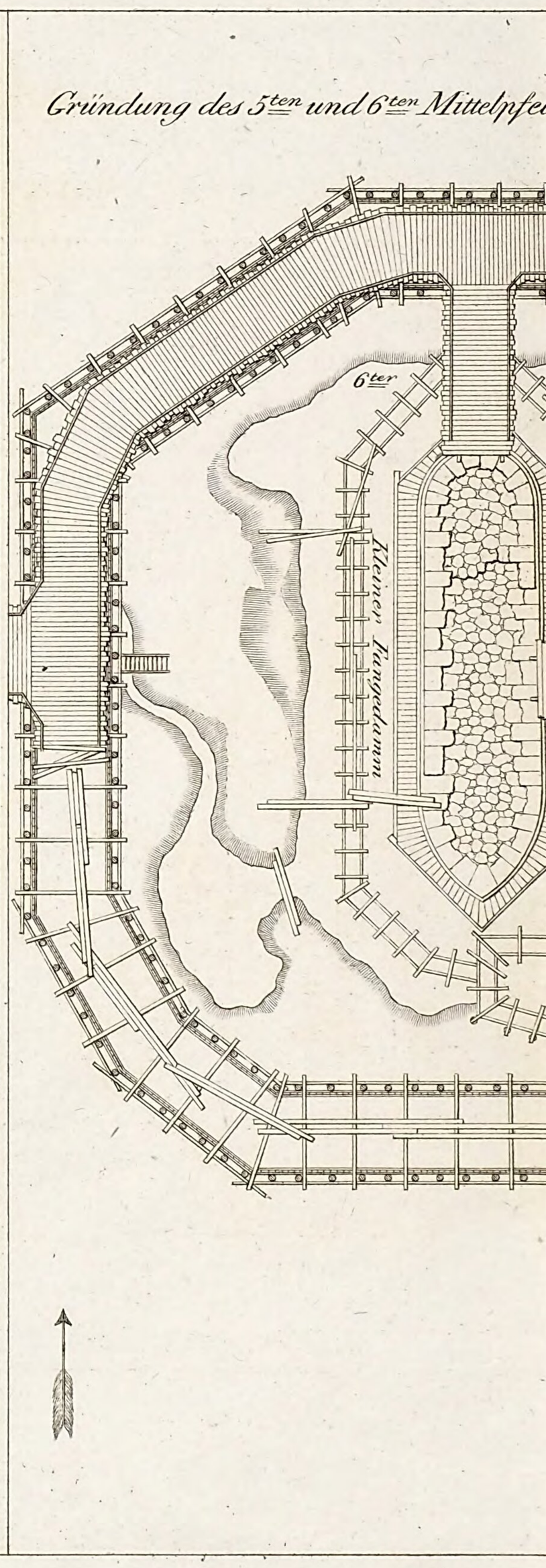
I.C.Böhme sc.

Coburger
Landes-
Bücherei

LB
Cob

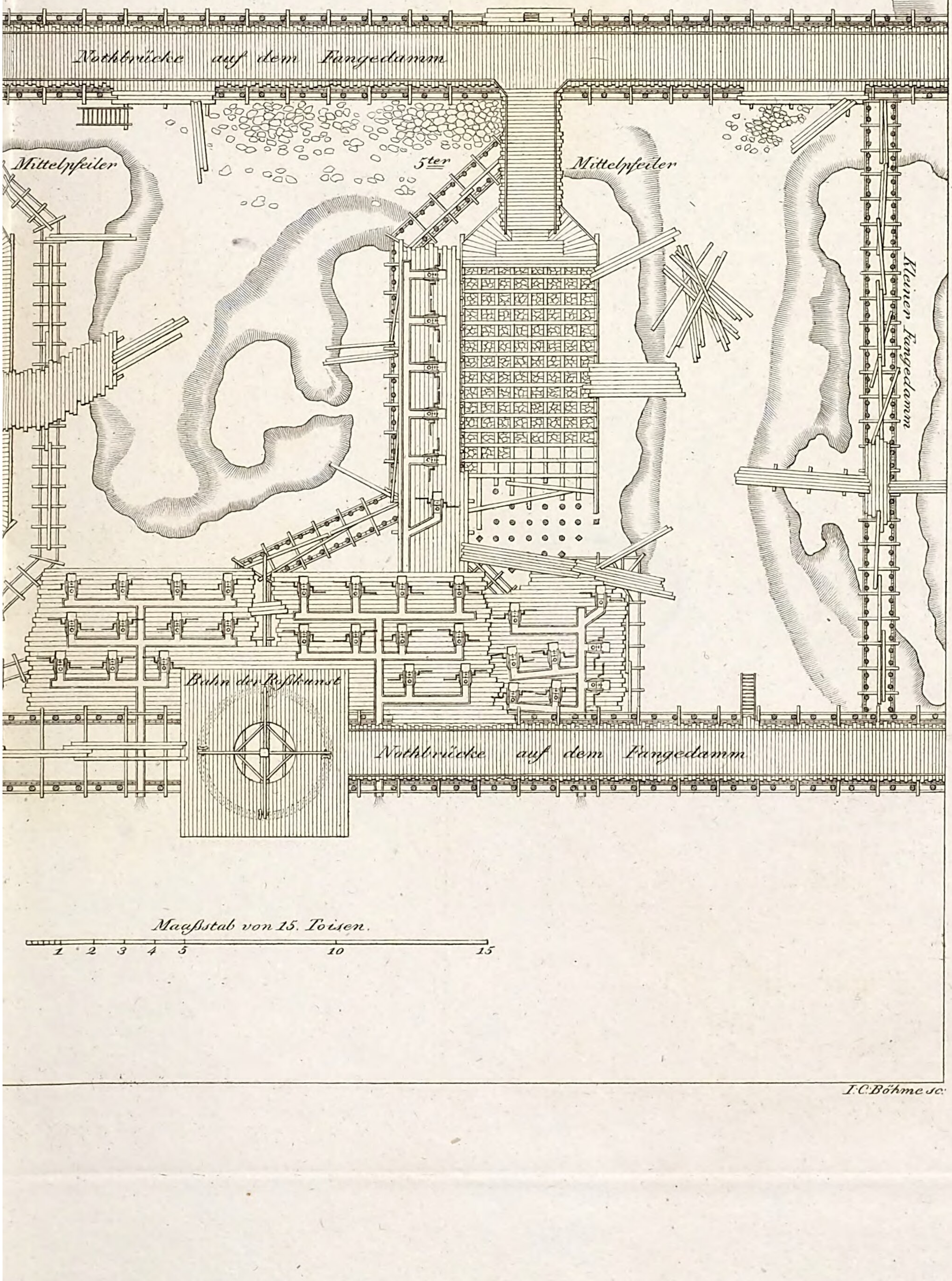
Gründung des 5ten und 6ten Mittelpfe





Im Orig. Taf. XLI.

eilers und des Stirnpfeilers auf der Seite nach der Vorstadt zu im Jahre 1753.



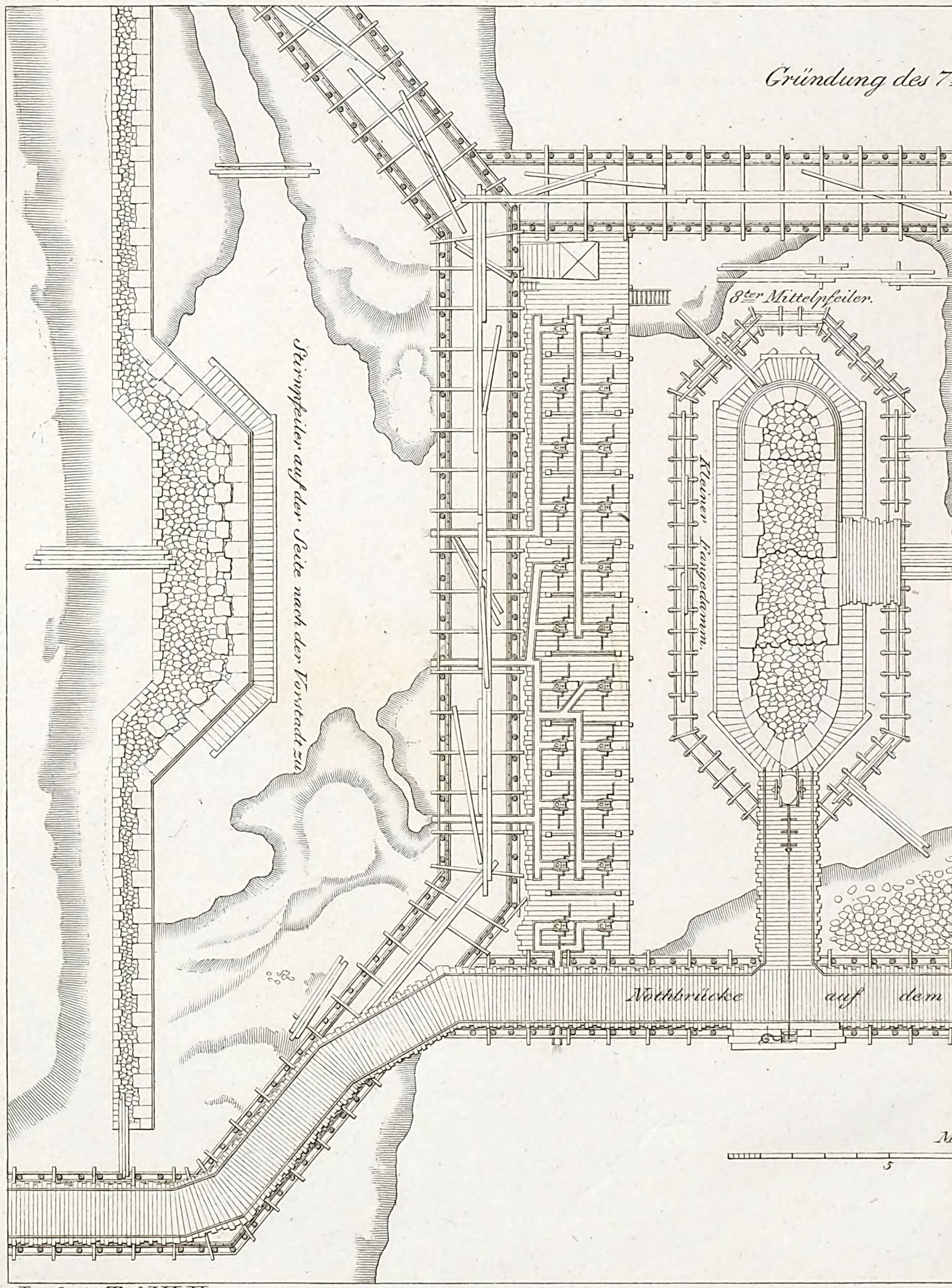
Maaßstab von 15. Toisen.

1 2 3 4 5 10 15

I.C.Böhme sc.

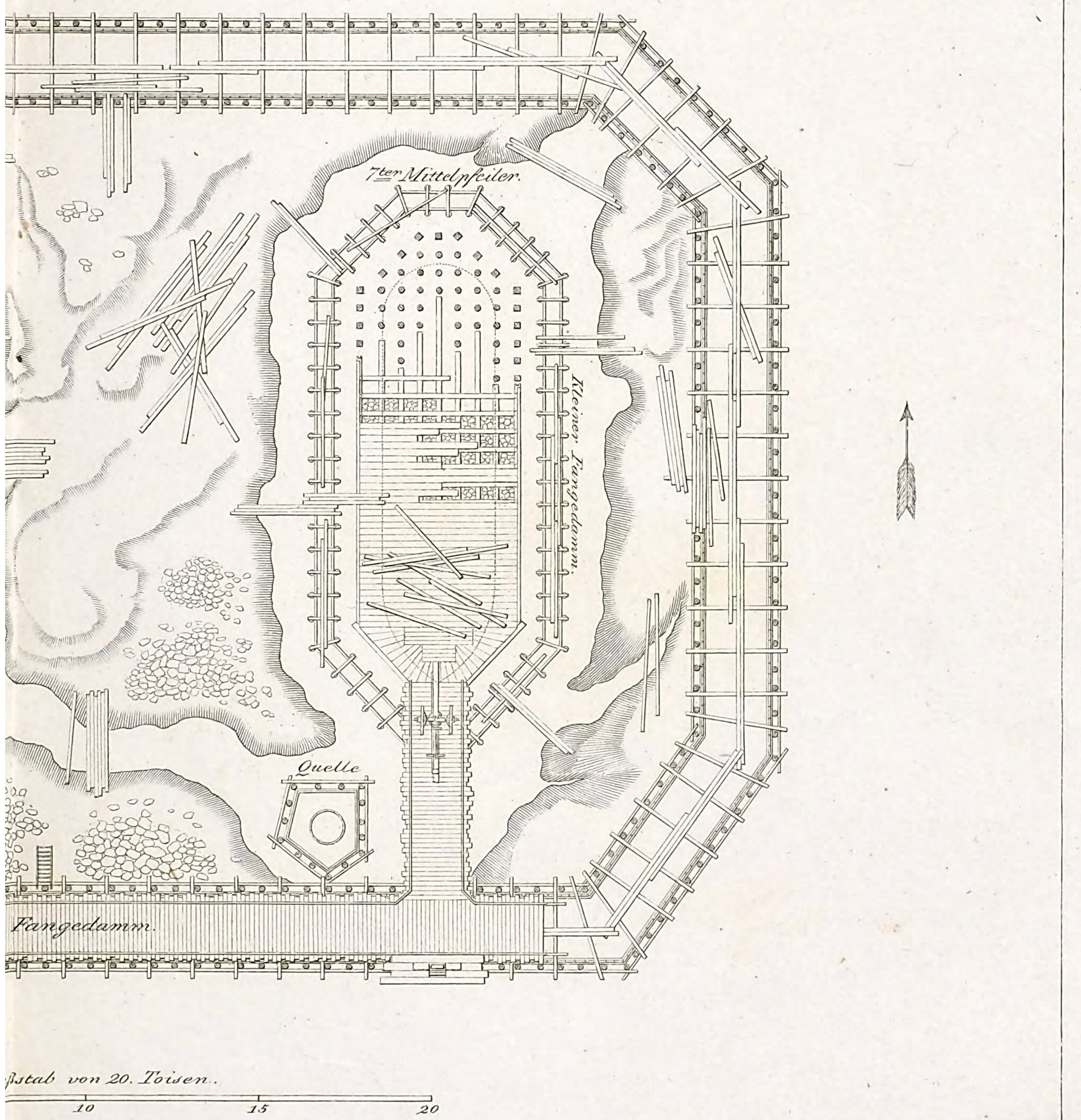
Coburger
Landes-
Bücherei

L⊙
Cob



Im Orig: Taf: XLII.

...und 8ten Mittelpfeilers im Iahre 1754.



...Stab von 20. Toisen.

0 5 10 15 20

I.C.Böhme sc.

LB
Cob

Coburger
Landes-
Bücherei

Schaufelwerk welches durch den Str

Fig: 1. Durchschnitt des Wasserrads

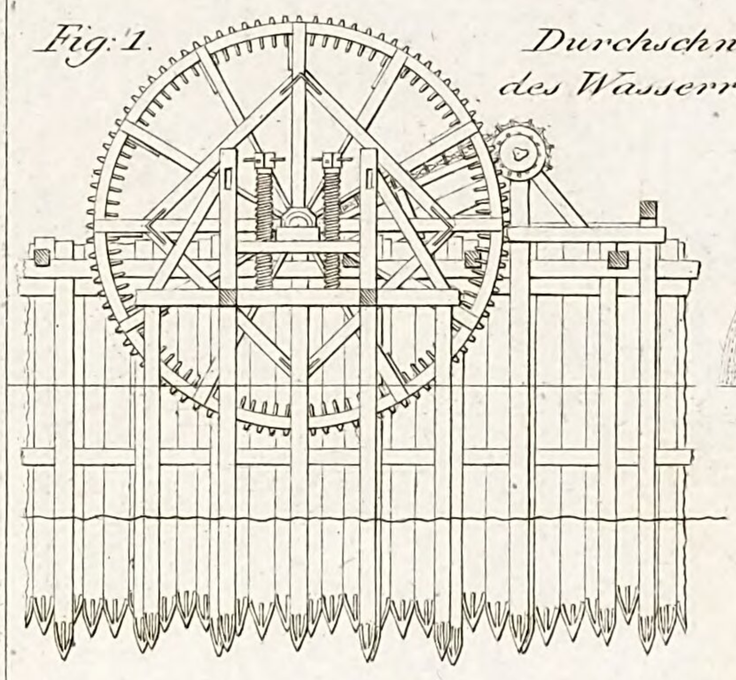
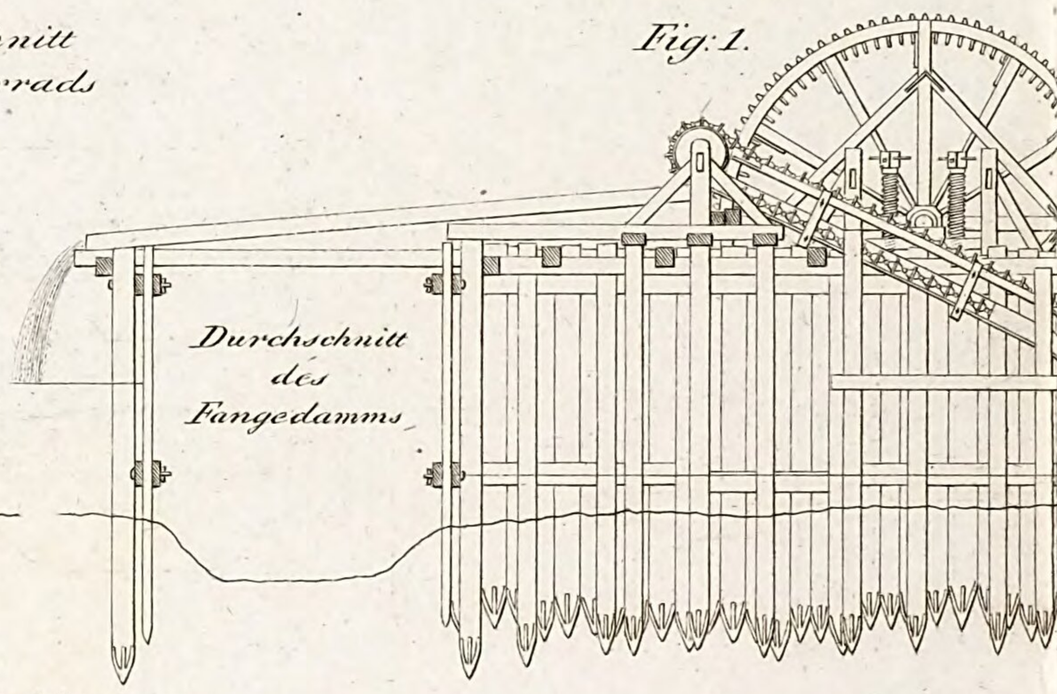
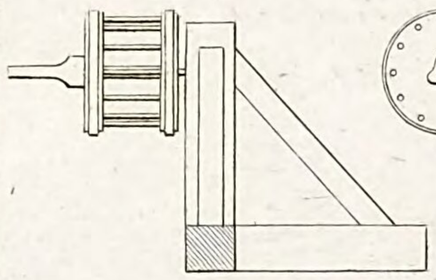


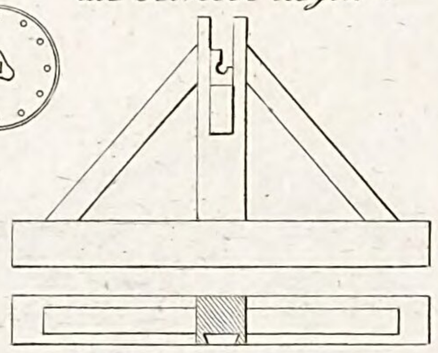
Fig: 1.



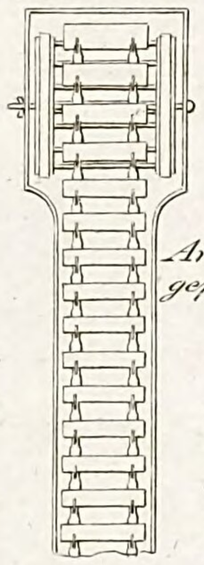
Getriebe

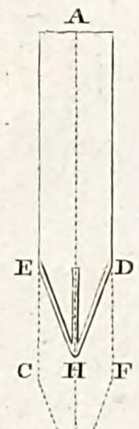


Bock auf welchem die Getriebe liegen



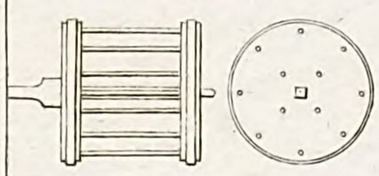
Einzelne Stücke des Schaufelwerks





Art wie Pfähle genfropft werden

Getriebe



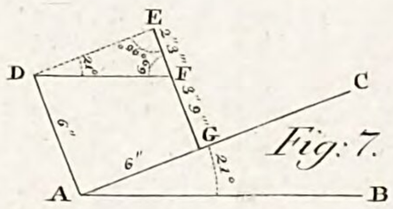
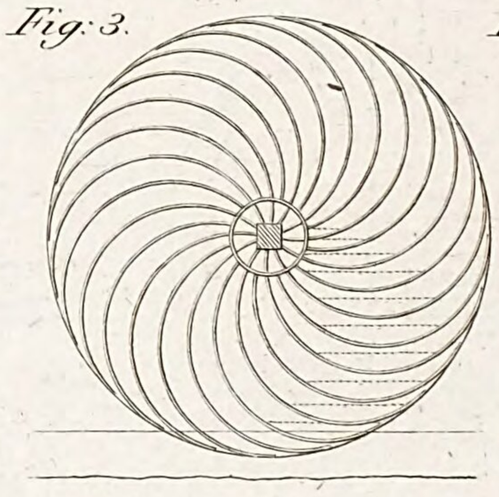


Fig: 7.

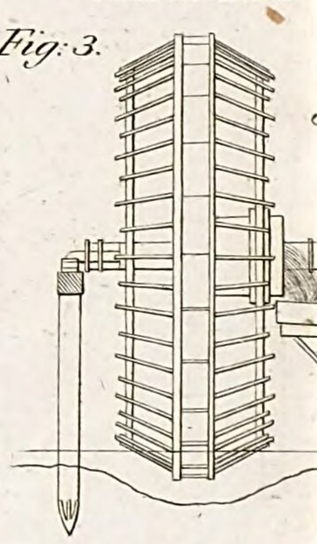
Durchschnitt

Fig: 3.

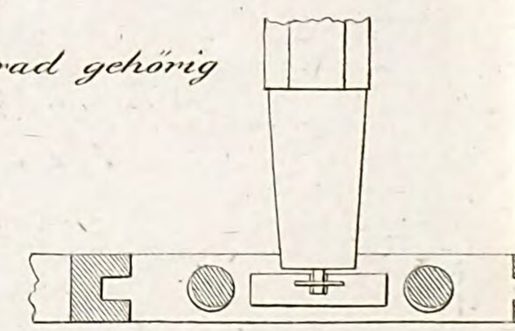


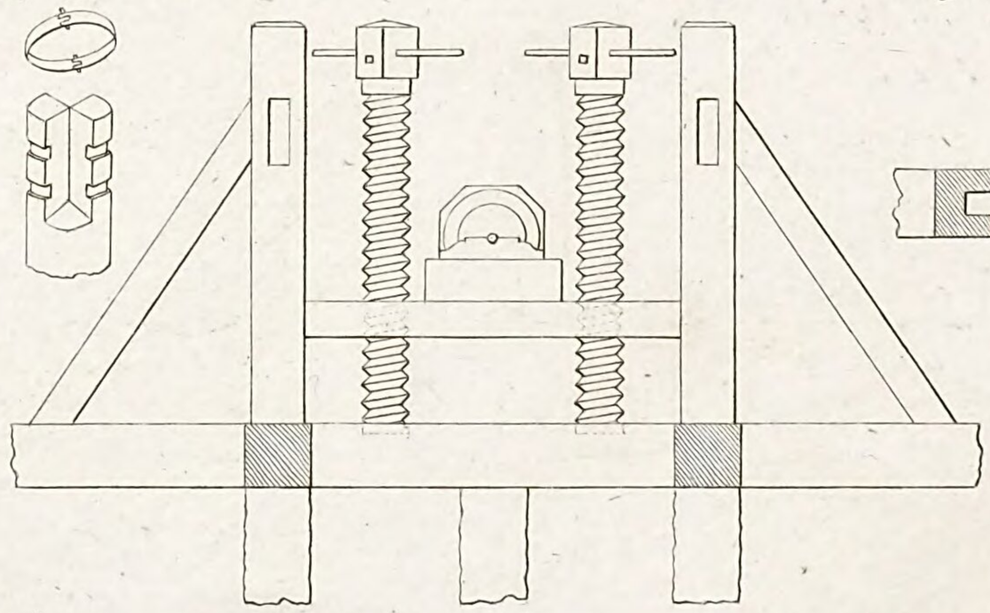
Seitenansicht

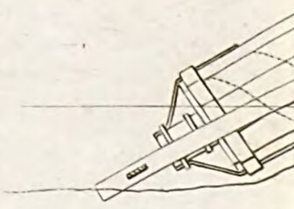
Fig: 3.



Zum Wasserrad gehörig







Maaßstab von 3 Linien auf den Fuß zu den einzeln größer gezeichneten Theilen

1 2 3 4 5 6 12 Fuß

zu den

Im Orig: Taf: XLIII

Strom in Bewegung gesetzt wird.

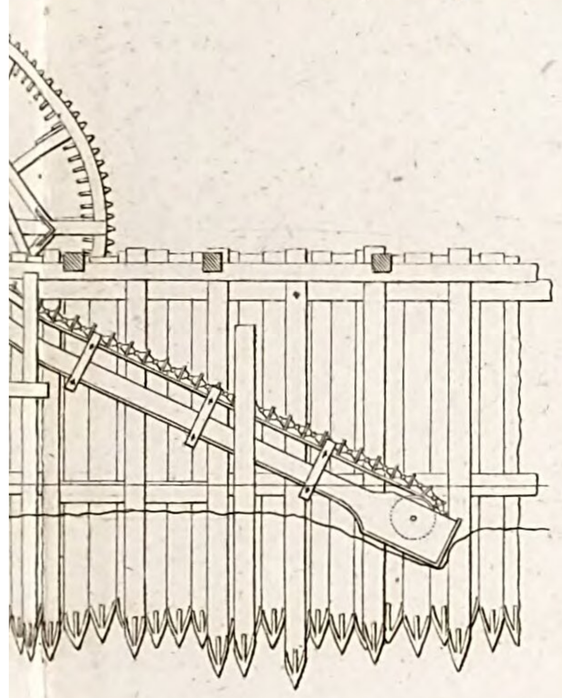
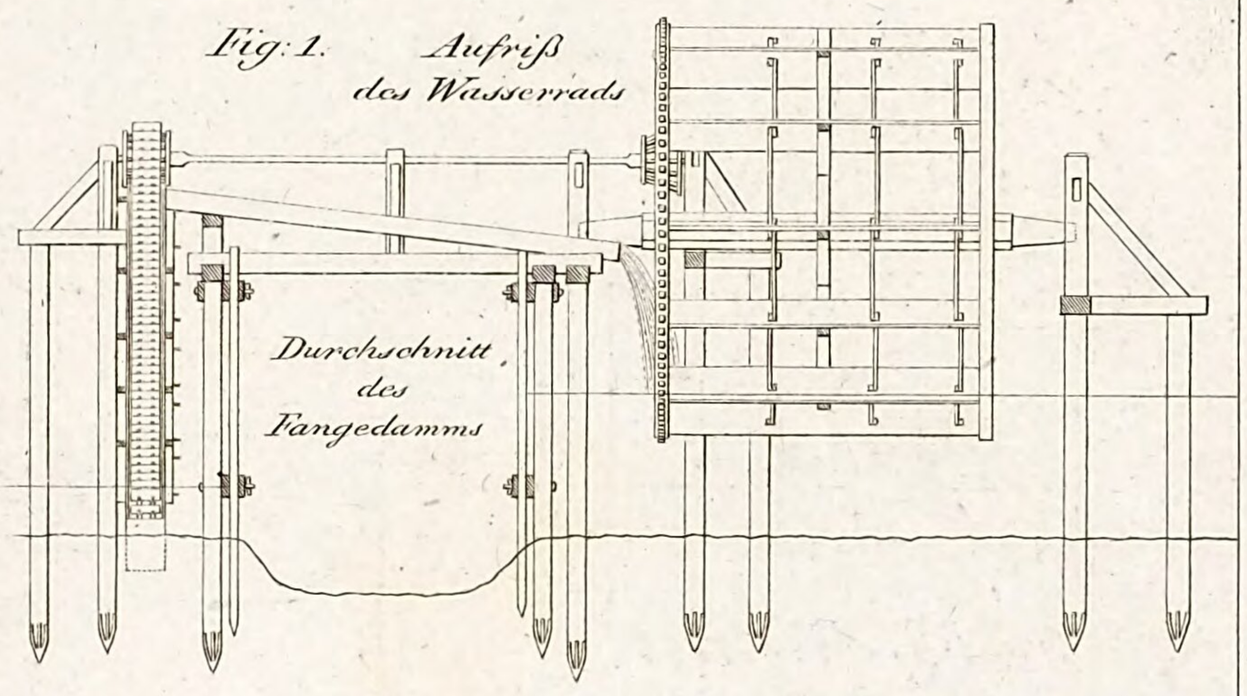


Fig: 1. Aufriß des Wasserrads



Aufriß

Fig: 3.

Schöpfrad

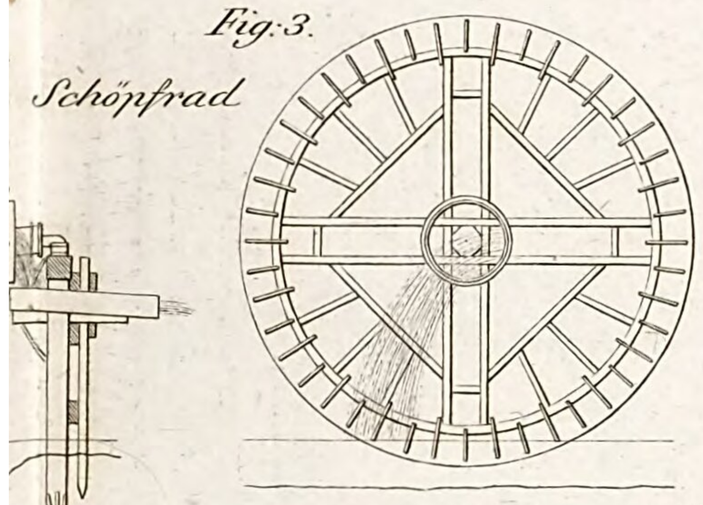
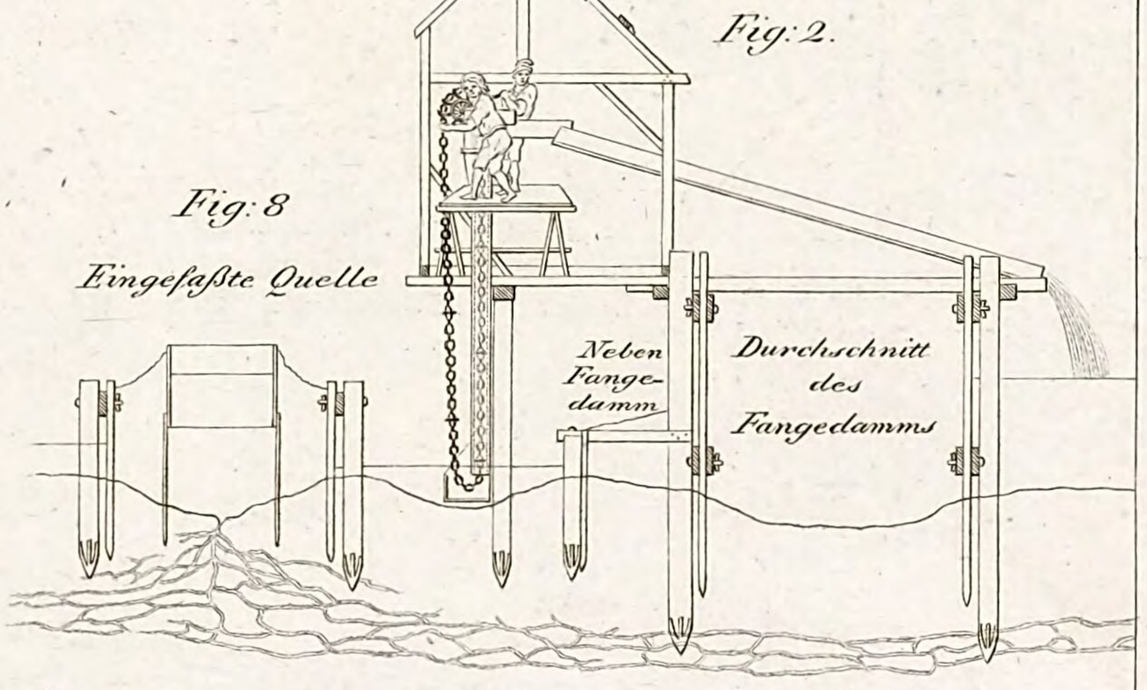


Fig: 8

Eingefaßte Quelle

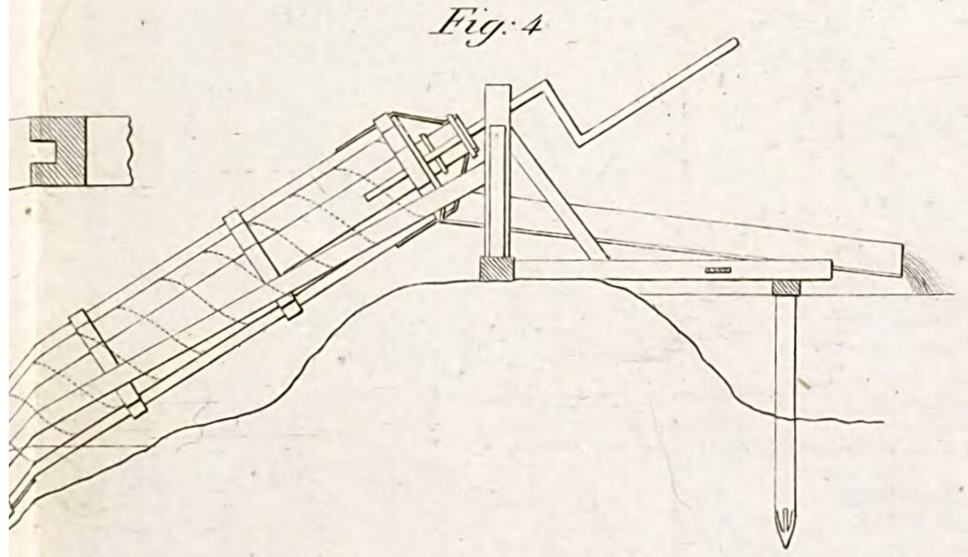


Scheibenkunst

Fig: 2.

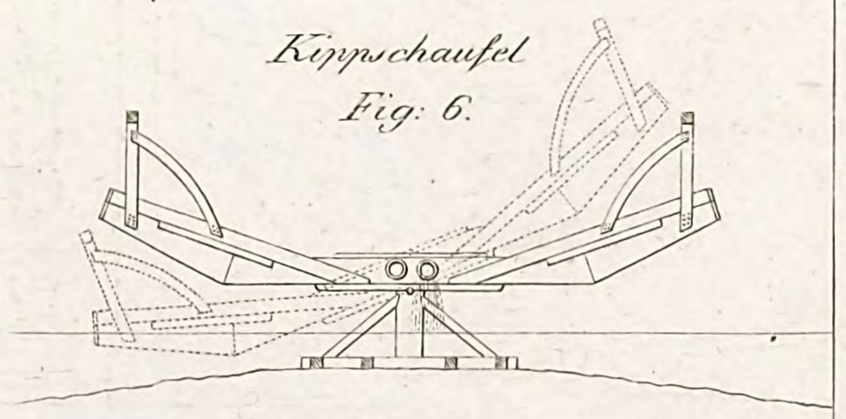
Wasserschnecke

Fig: 4

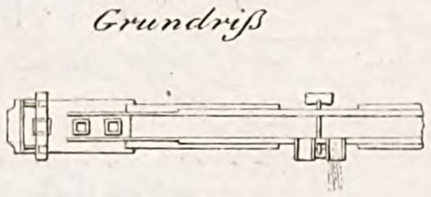


Kippschaufel

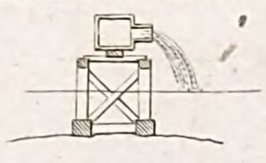
Fig: 6.



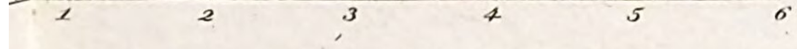
Grundriß



Durchschnitt



Maaßstab von 1 Linie auf den Fuß



…en Schaufelwerken Scheibenkünsten und dem Schöpfrad

I.C.Böhme sc.

LB
Cob

Schaufelwerk welches durch Pferde getrieben wird.

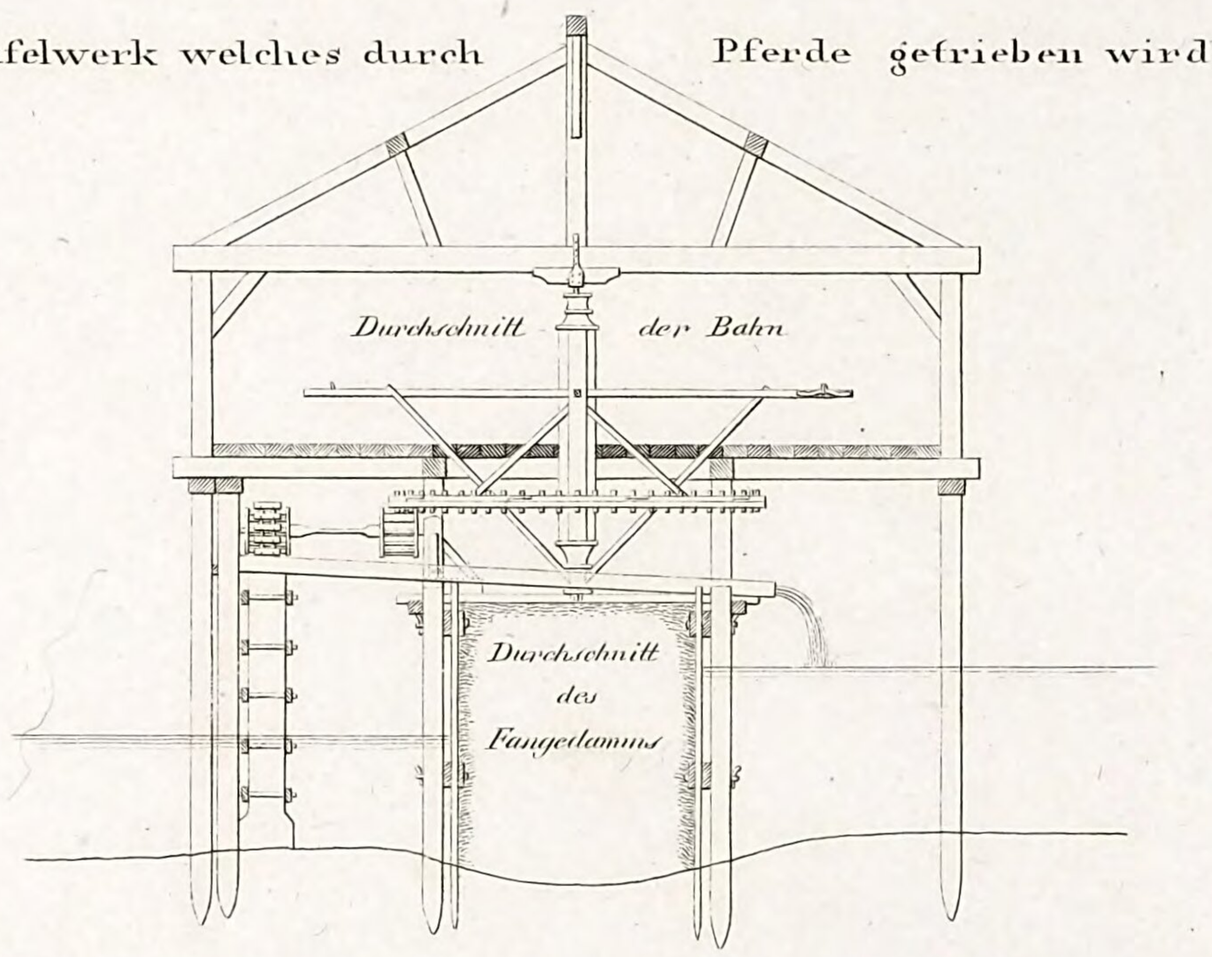
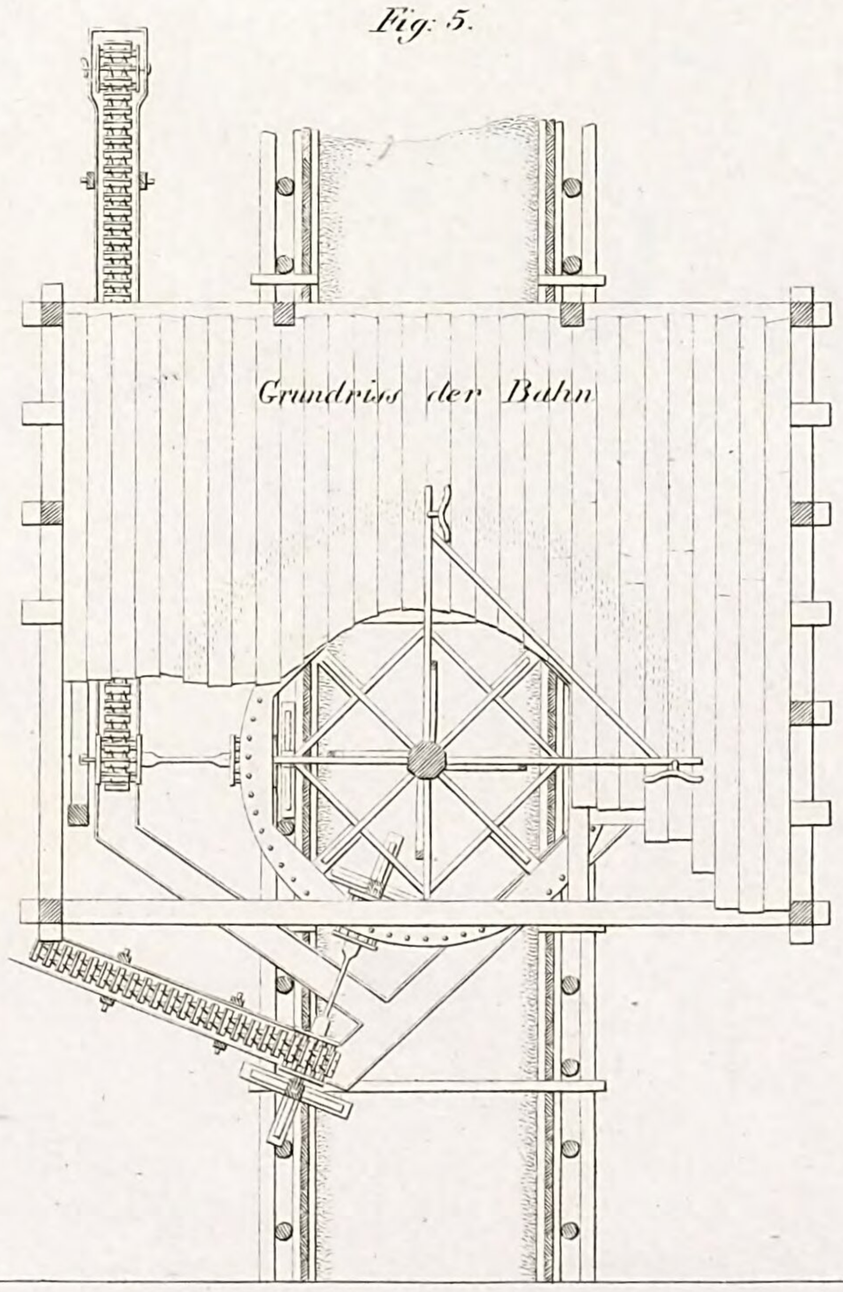


Fig: 5.



Im Orig: Taf: XLIII.

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Coburger
Landes-
Bücherei

LB
Cob

Brücke

Aufriß der Nothbrücke

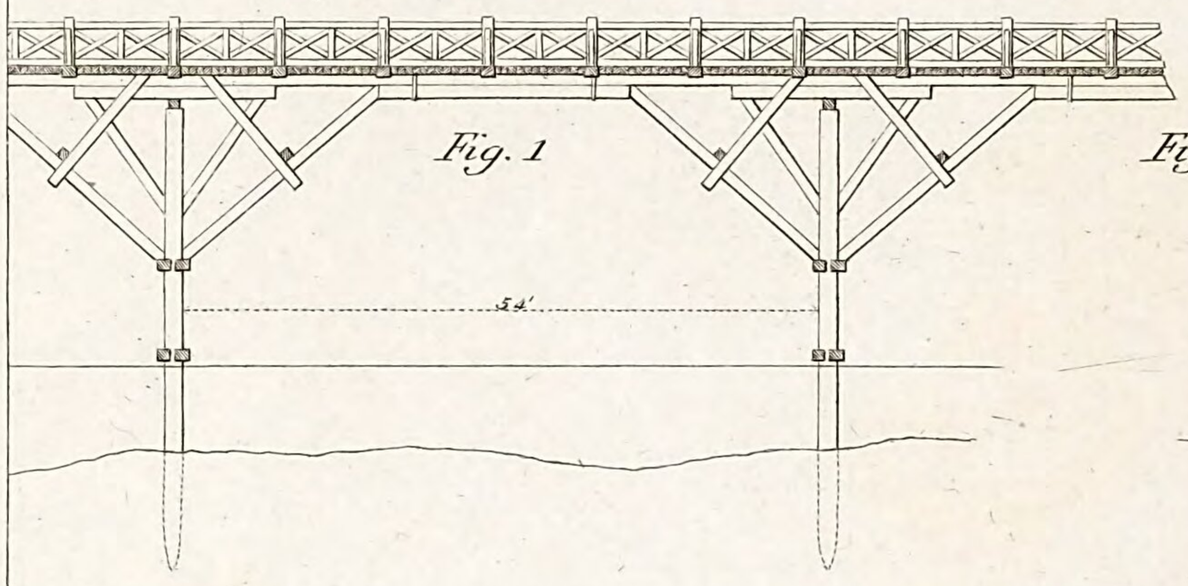


Fig. 1

Durchschnitt

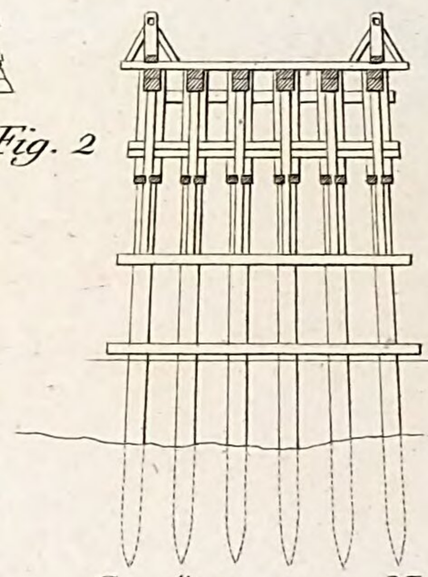
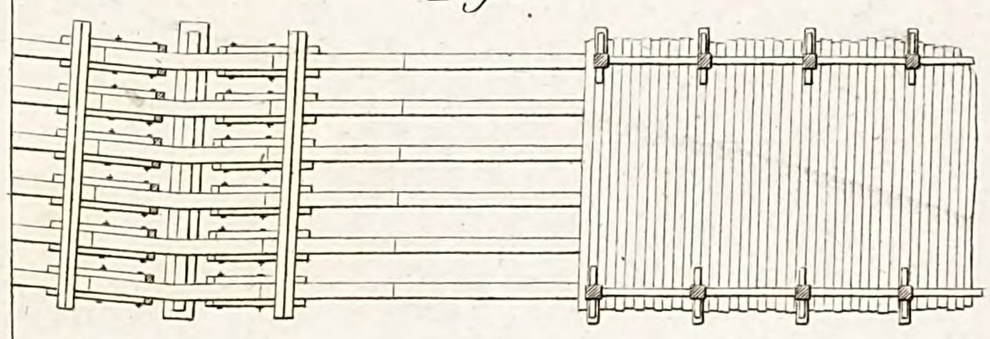


Fig. 2

Fig.

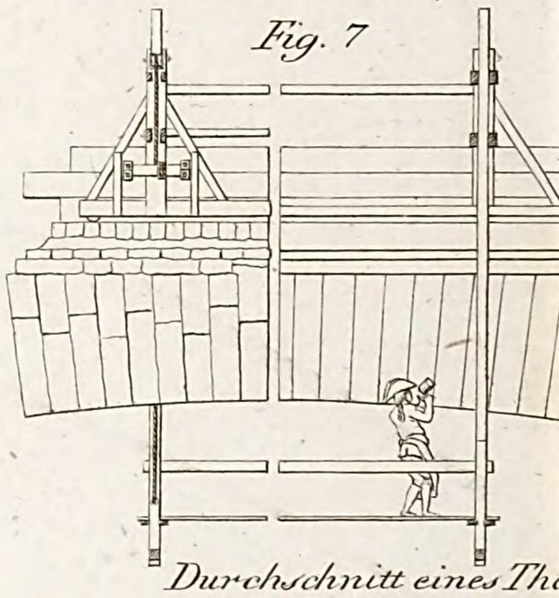
Grundriß

Fig. 3



Gerüste zum Nachputzen

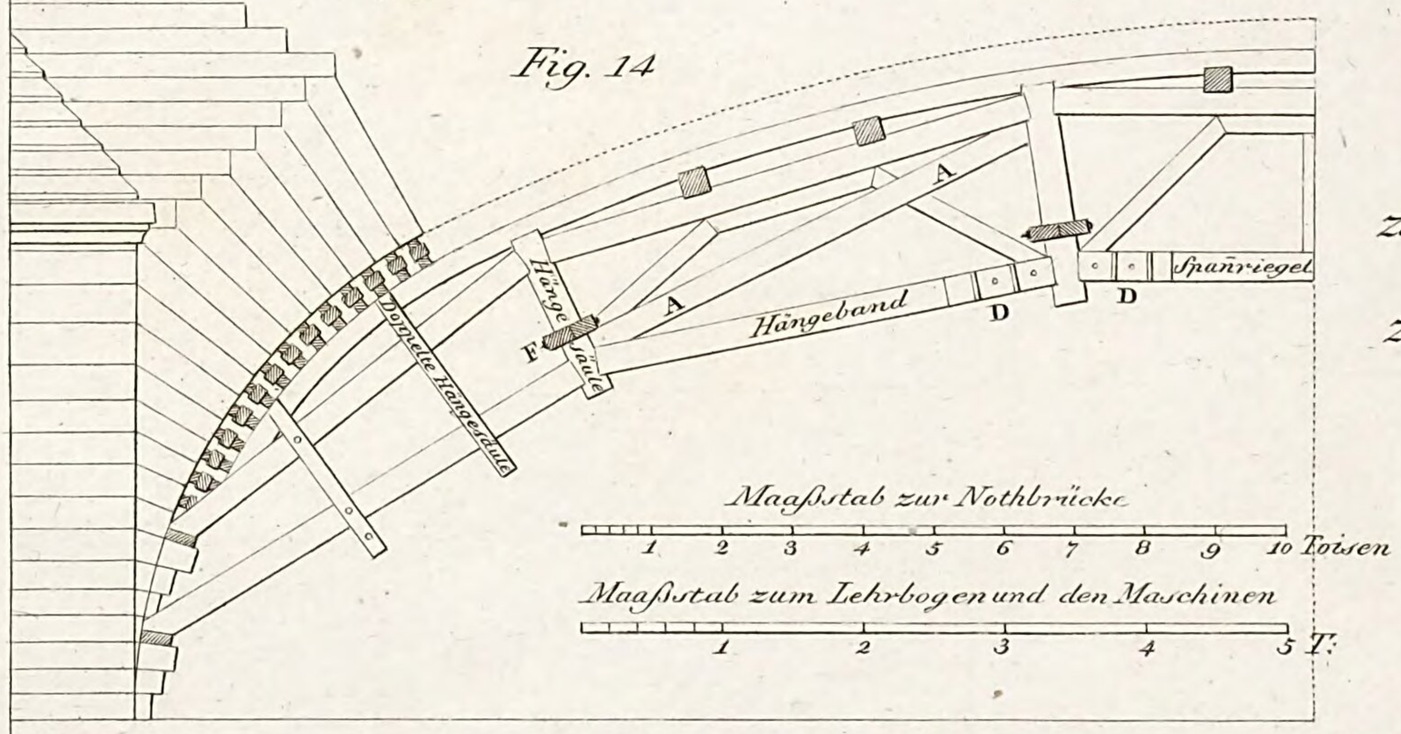
Fig. 7



Aufriß einer halben Curve eines Lehrbogens

Durchschnitt eines Th

Fig. 14



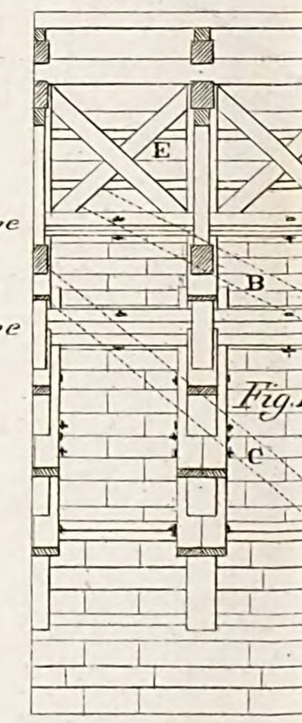


Fig.

Zange *Fig. 16*

Im Orig: Taf: XLIV.

e bei Orleans

Maschine zum Ausziehen der Pfähle

. 4

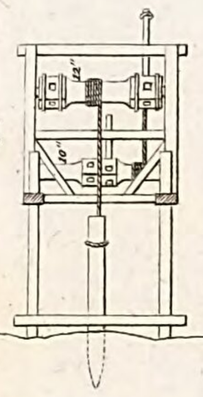
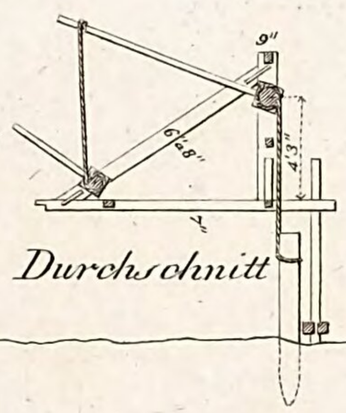
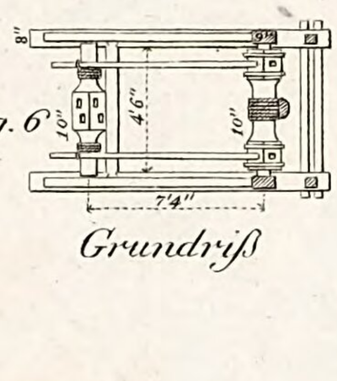


Fig. 5

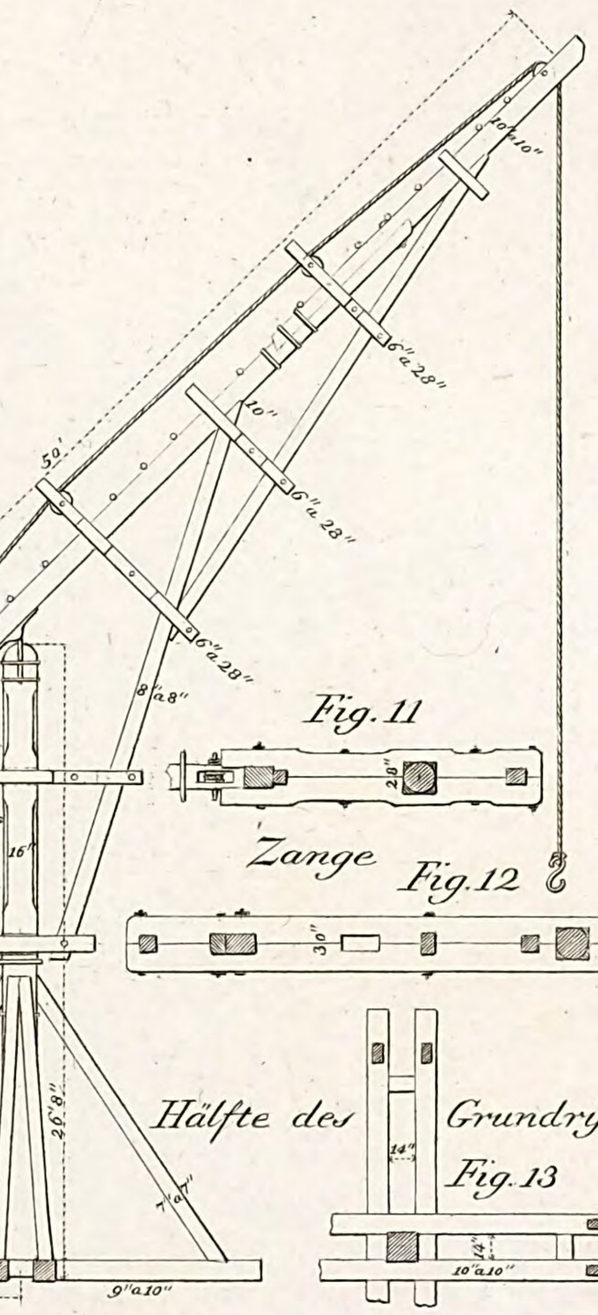


Durchschnitt

Fig. 6



Grundriß



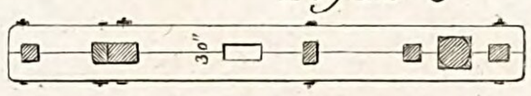
Krahn

Fig. 10

Fig. 11

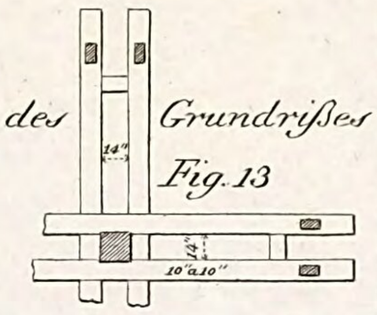
Zange

Fig. 12



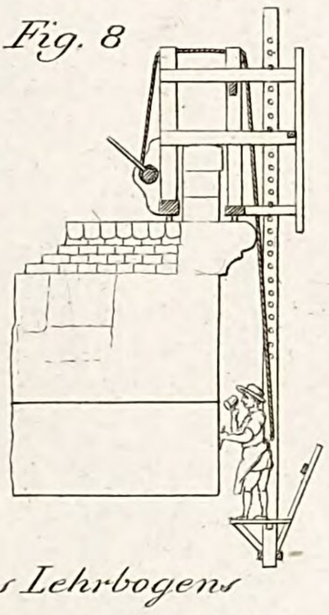
Hälfte des Grundrißes

Fig. 13



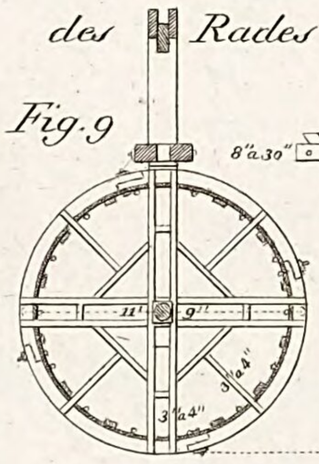
Durchschnitt

Fig. 8

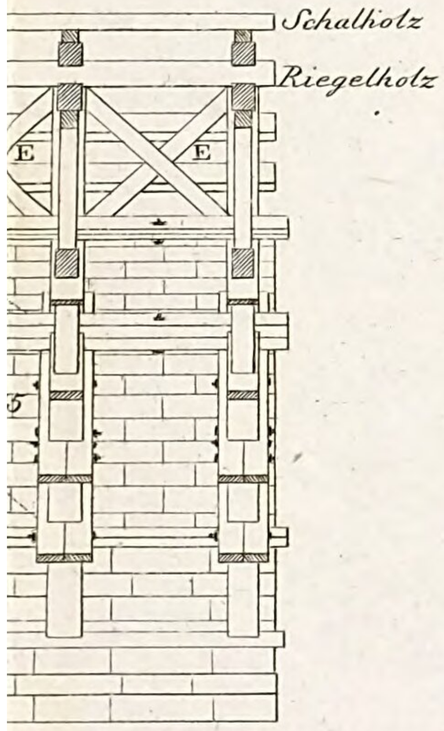


Durchschnitt des Rades

Fig. 9



eils des Lehrbogens



Grundriß und Durchschnitt eines Baggers zum Ausräumen des innern Raums des Fangedamms

Fig. 17

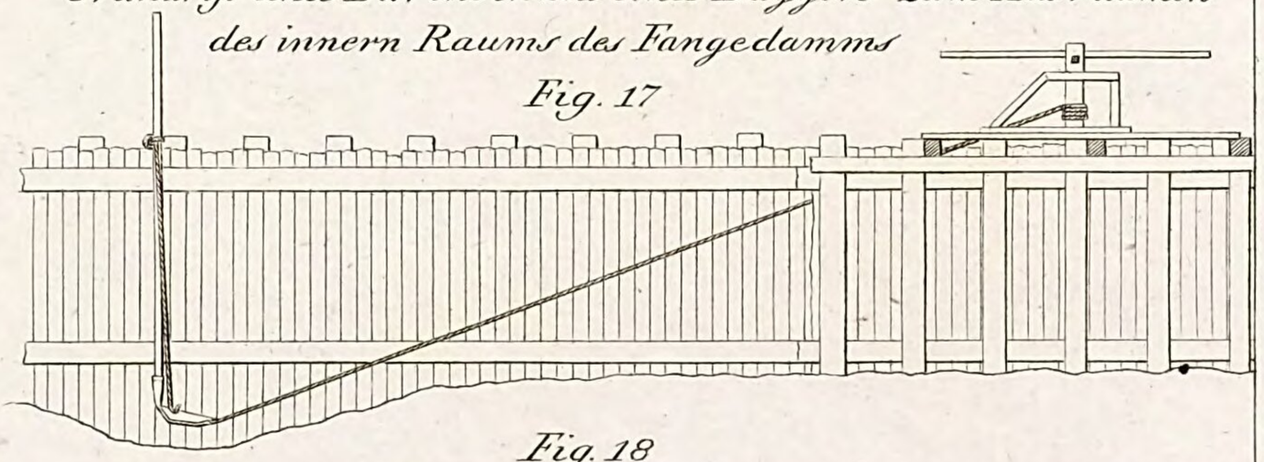
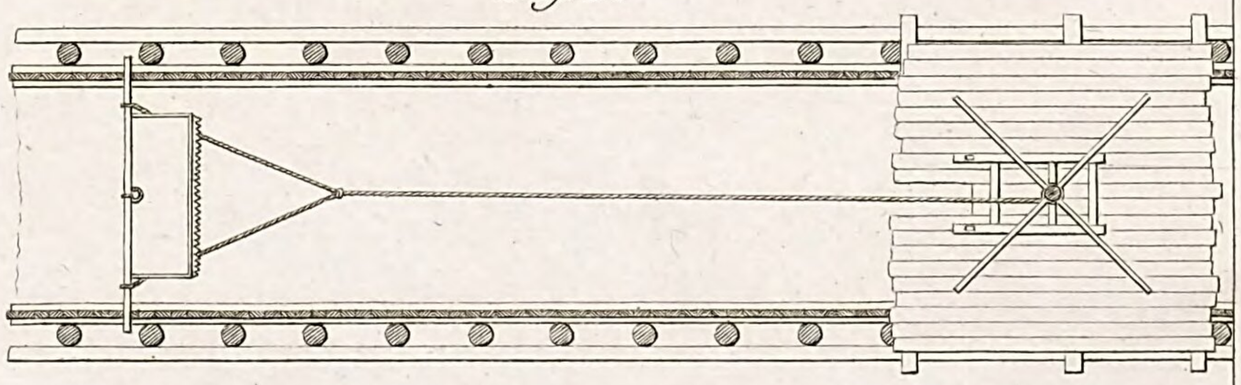


Fig. 18

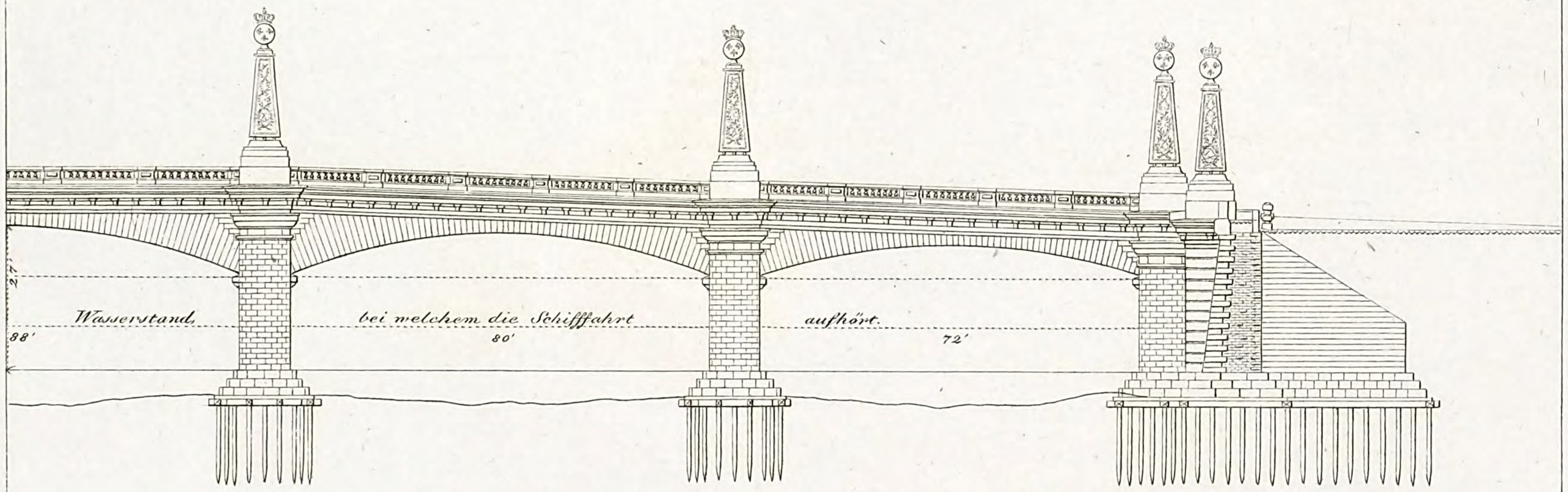


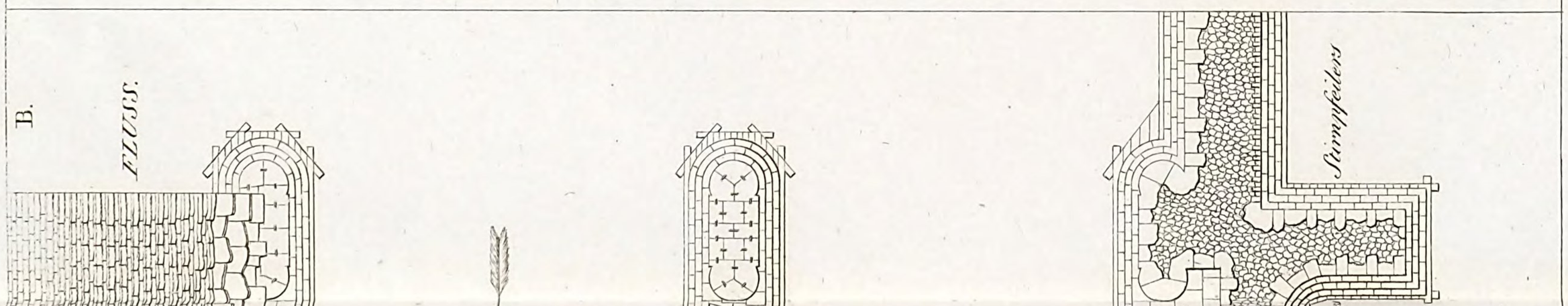
I.C.Böhme sc.

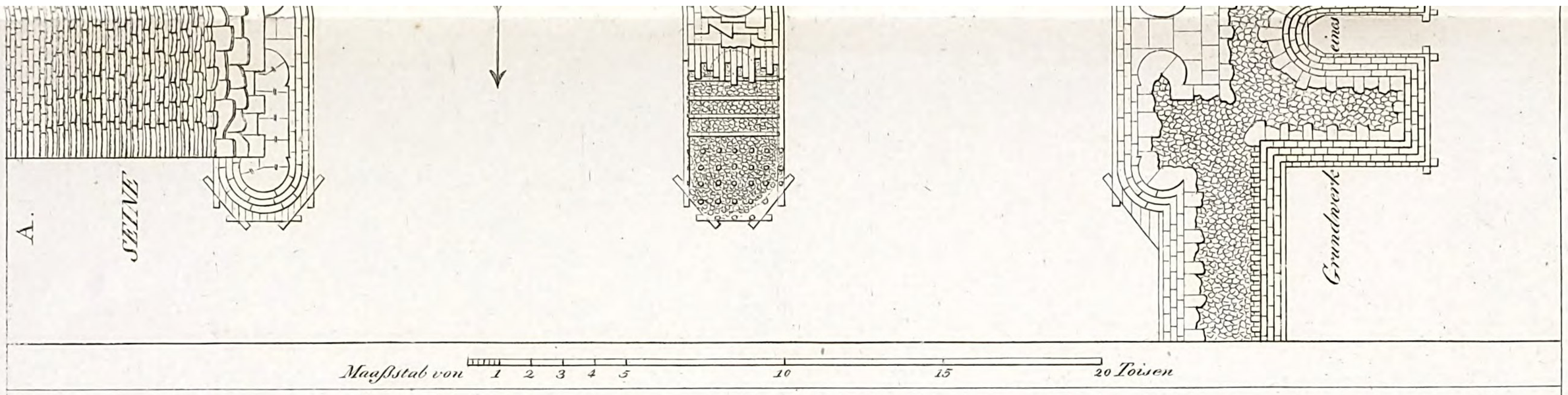
LB
Cob

LB
Cob

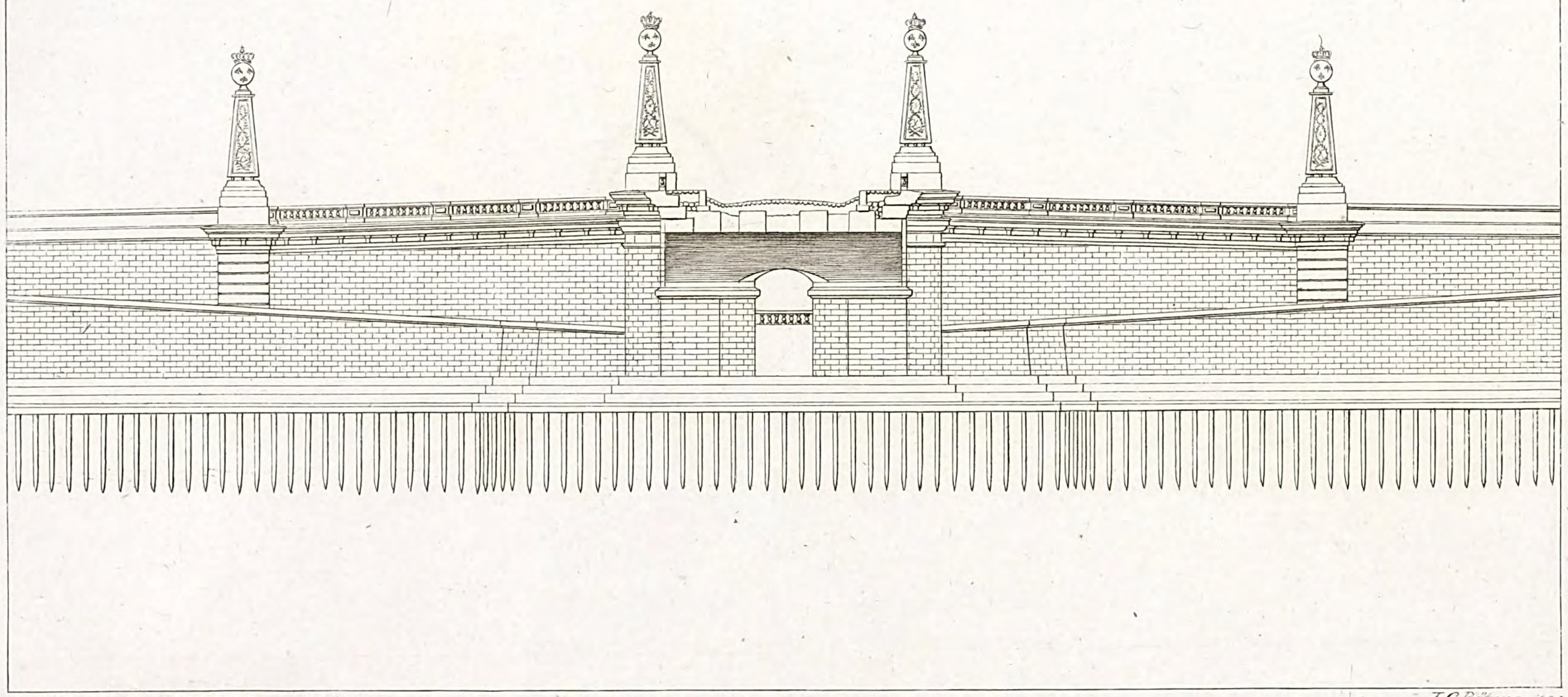
Entwurf zu einer Brücke über die Seine dem Platze Ludwigs des XV. gegenüber.







Durchschnitt nach A. B.



Im Orig: Taf: XLVII.

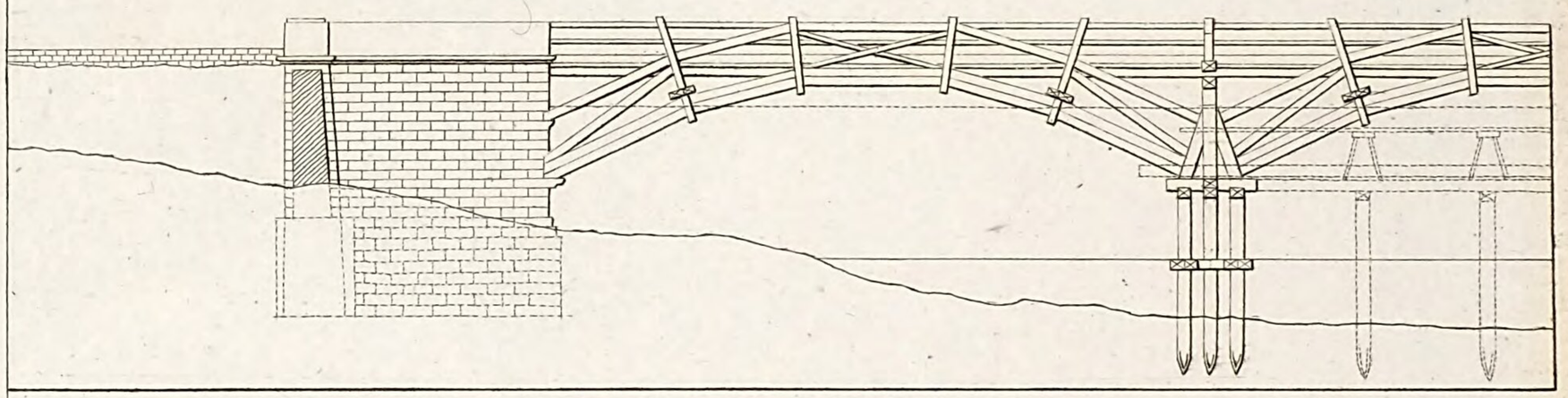
I. C. Böhme sc:

Coburger
Landes-
Bücherei

Coburger
Landes-
Bücherei

Entwurf zu einer hölzernen Brücke über die Seine,

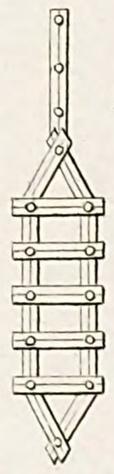
Auf



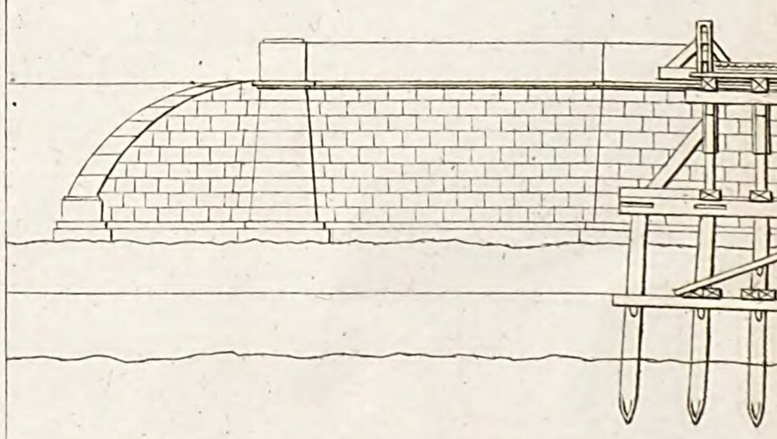
Maaßstab vo

1 2 3 4 5

Grun



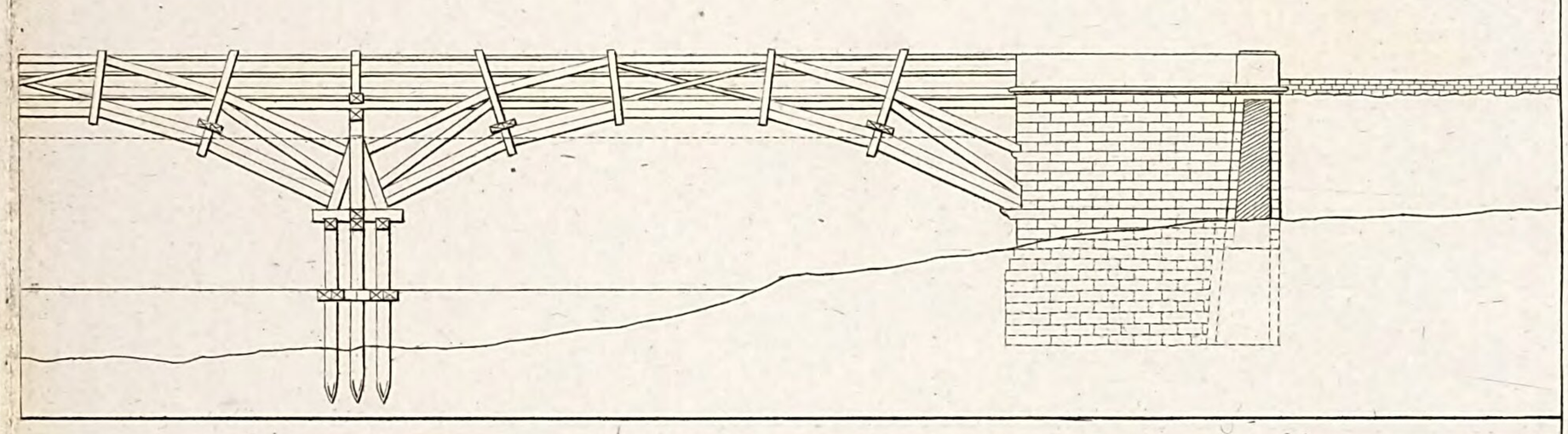
Durchschn



Im Orig. Taf. XLVIII.

der neuen Allee bei der Salpetersiederei gegenüber.

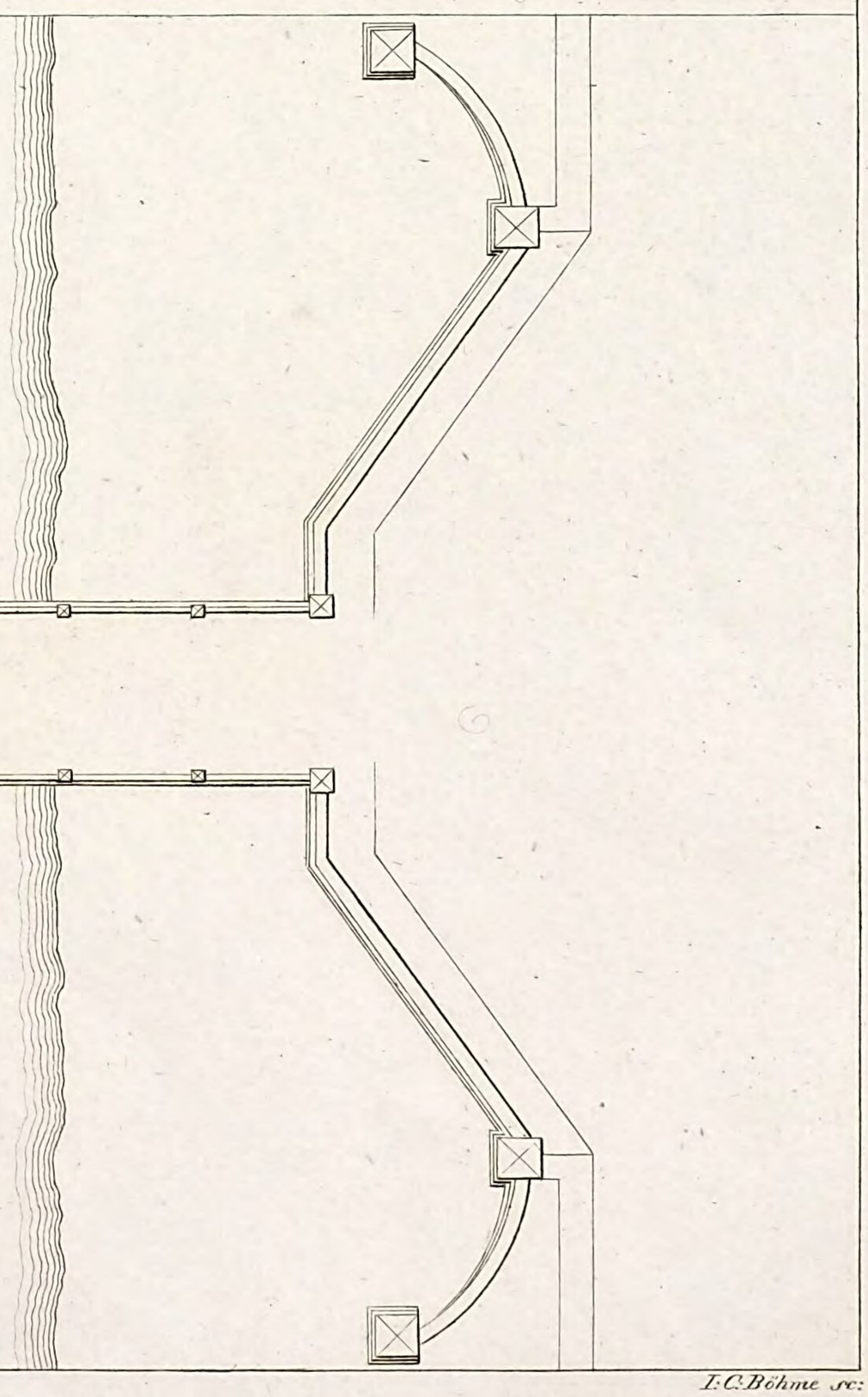
friß



vor 20 Toisen

10 15 20

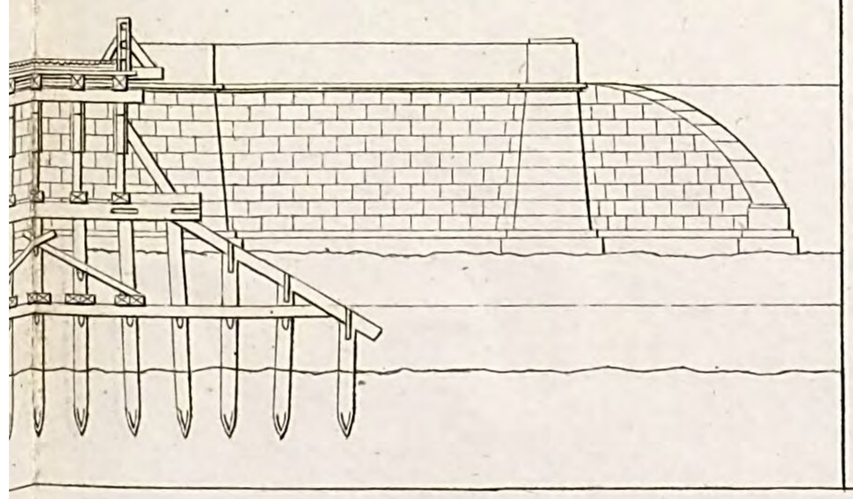
ndriß



B.

A.

nitt von A. B.



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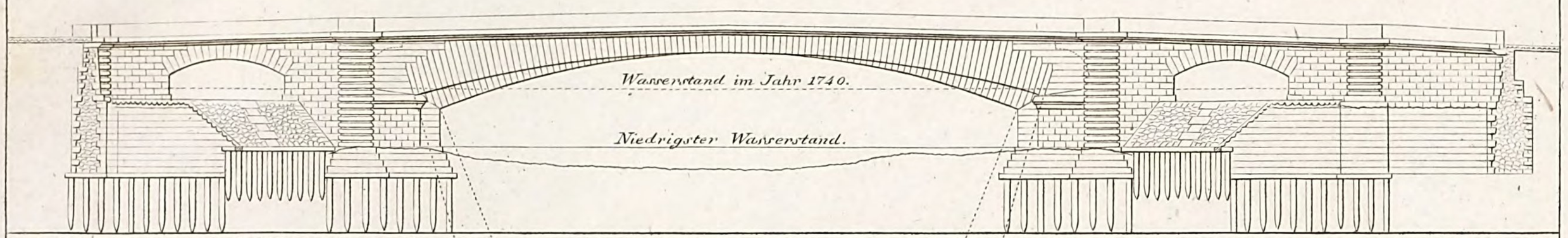
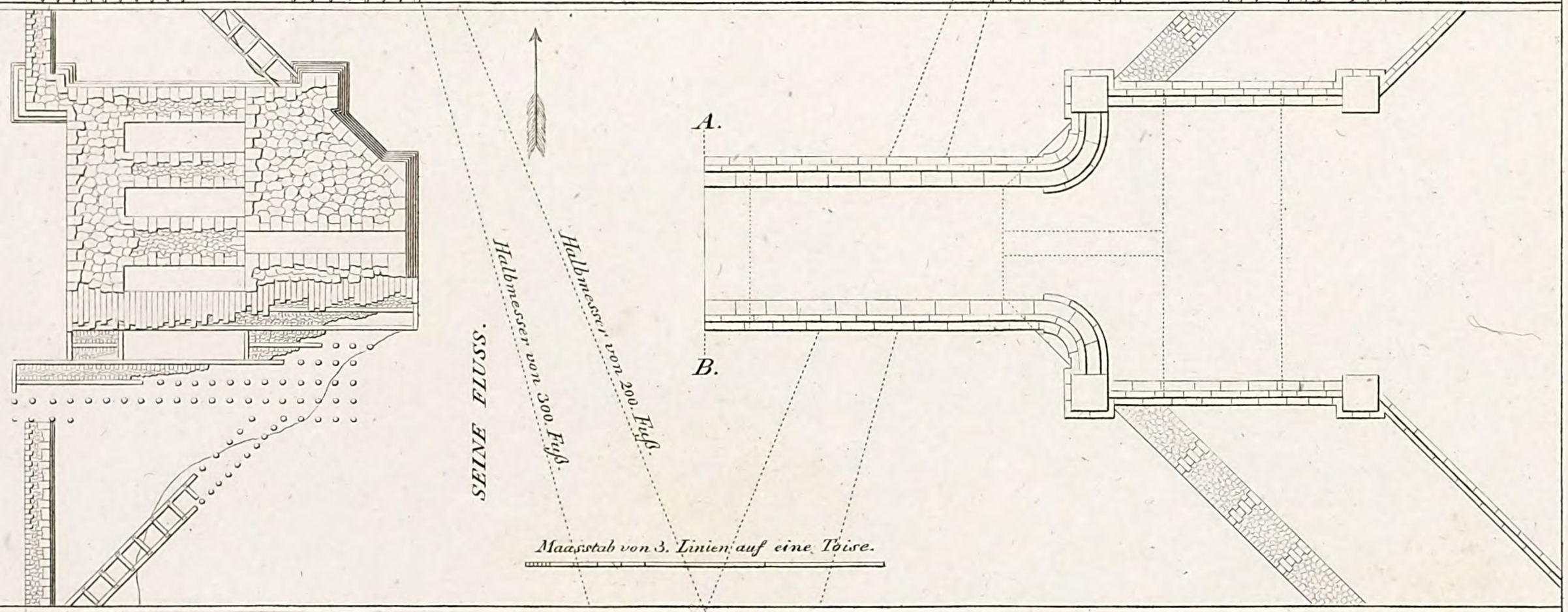
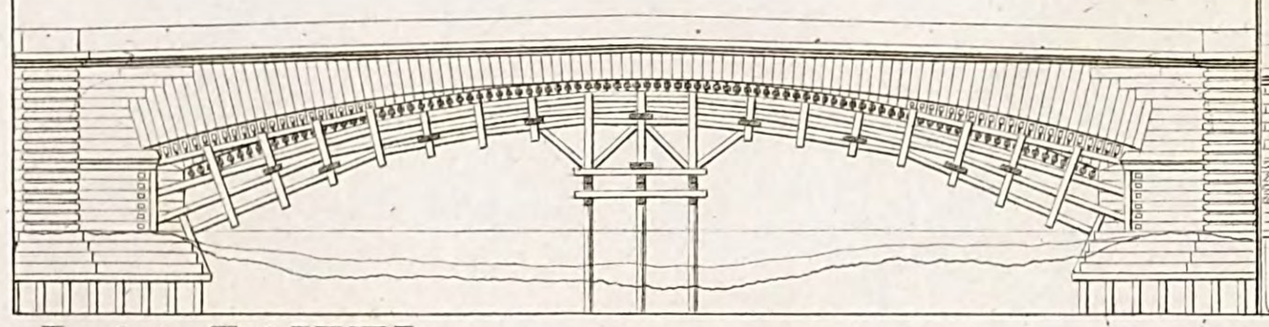
LB
Cob

Entwurf zu einer Brücke von einem Bogen von 150 Fuß Oeffnung, und zwei Seitenbogen jeder 30 Fuß weit, so wie solche über einen der zwei Arme der Seine zu Melun erbauet werden soll.

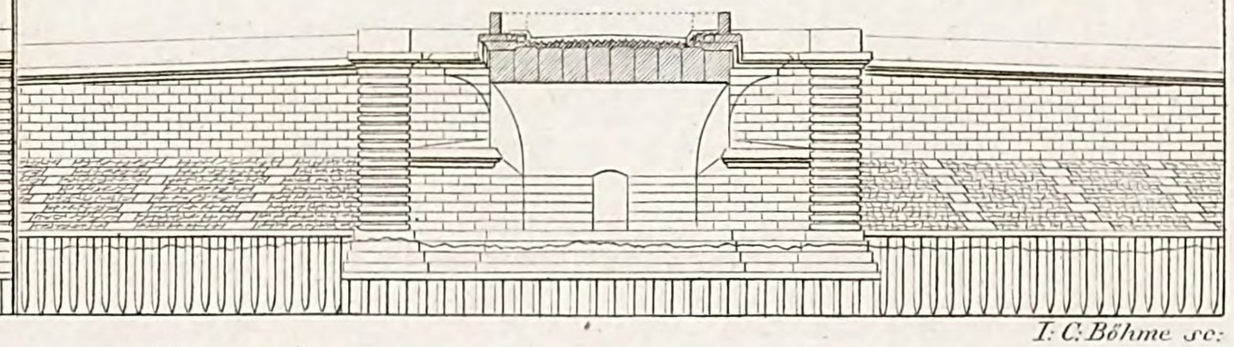




Aufriss des Lehrbogens.



Durchschnitt nach A. B.



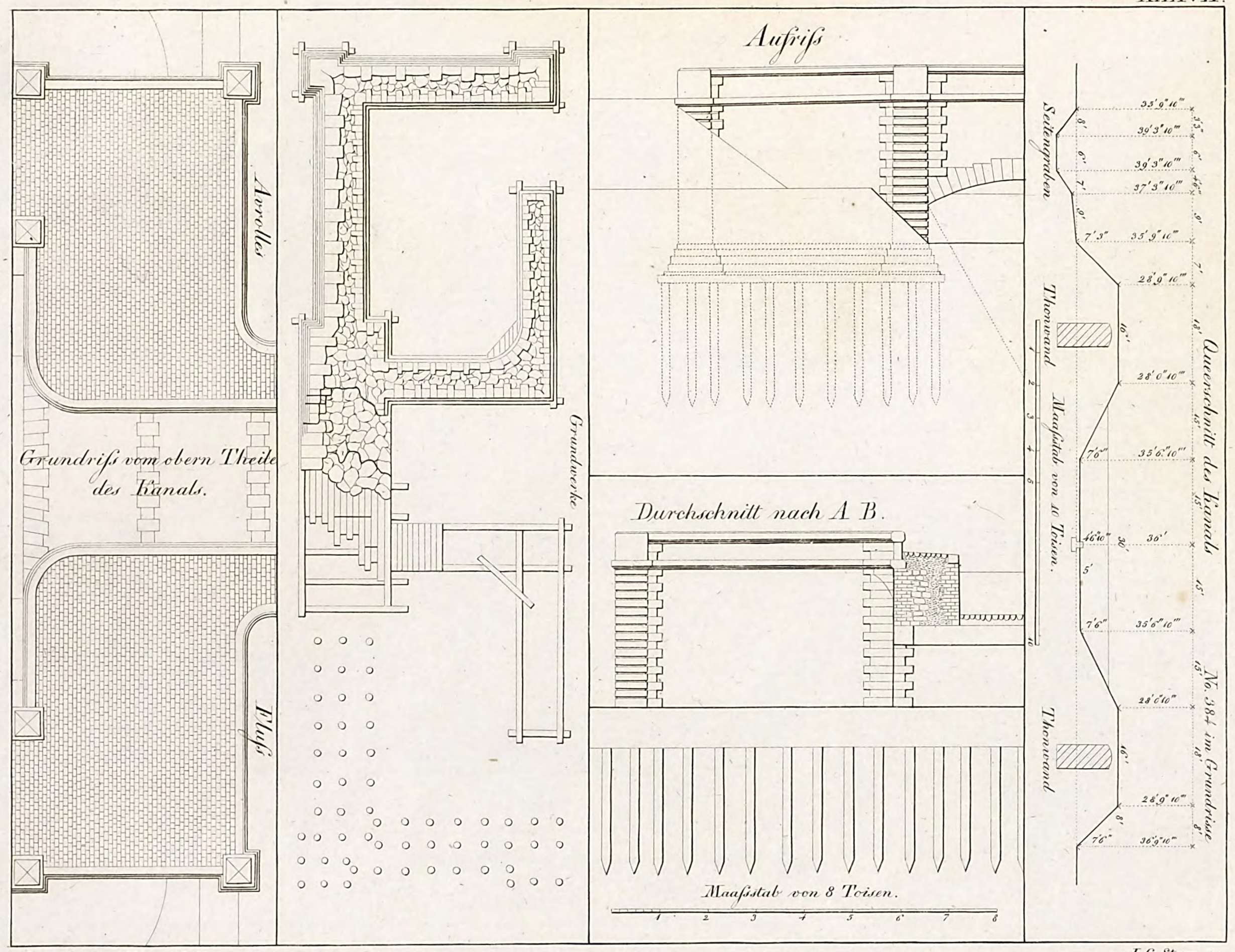
Im Orig: Taf: XLIX.

I. C. Böhme sc:

Landes-
Bücherei

Brück-Kanal über den Avrolles.

XXXVII.

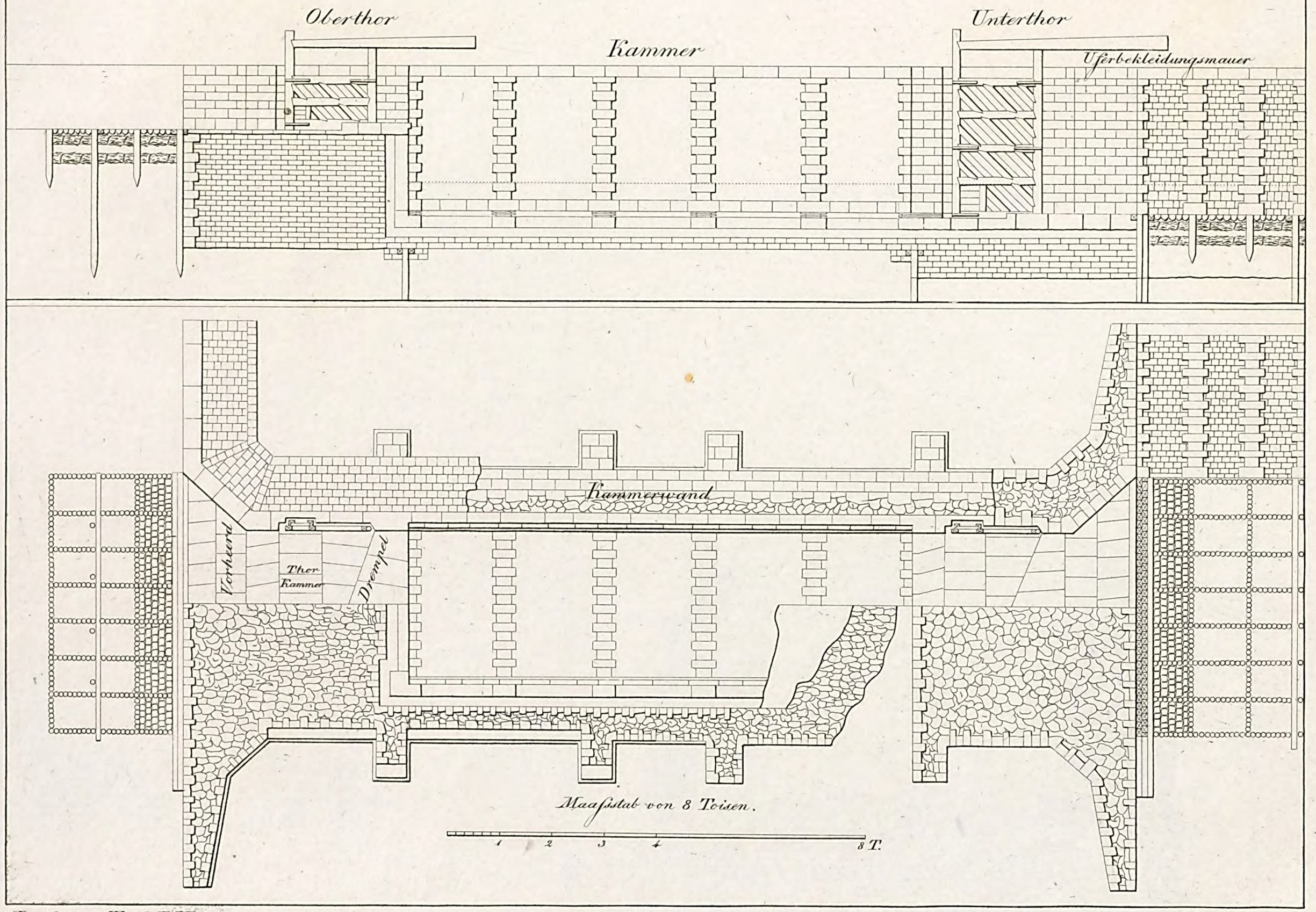


Im Orig. Taf. LI.

I. G. Sturm sc.

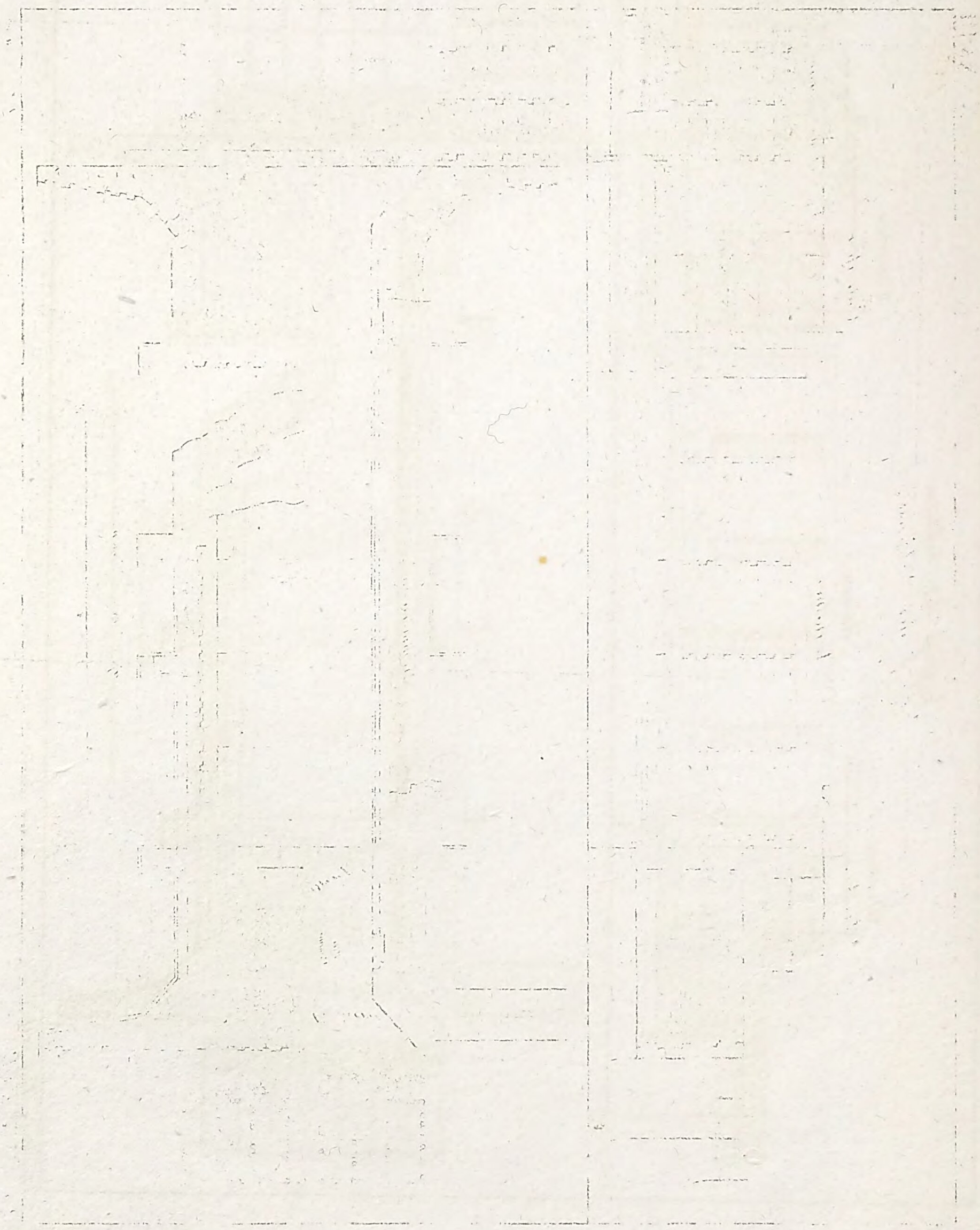
LB
Cob

Aufriß der Schleuse.

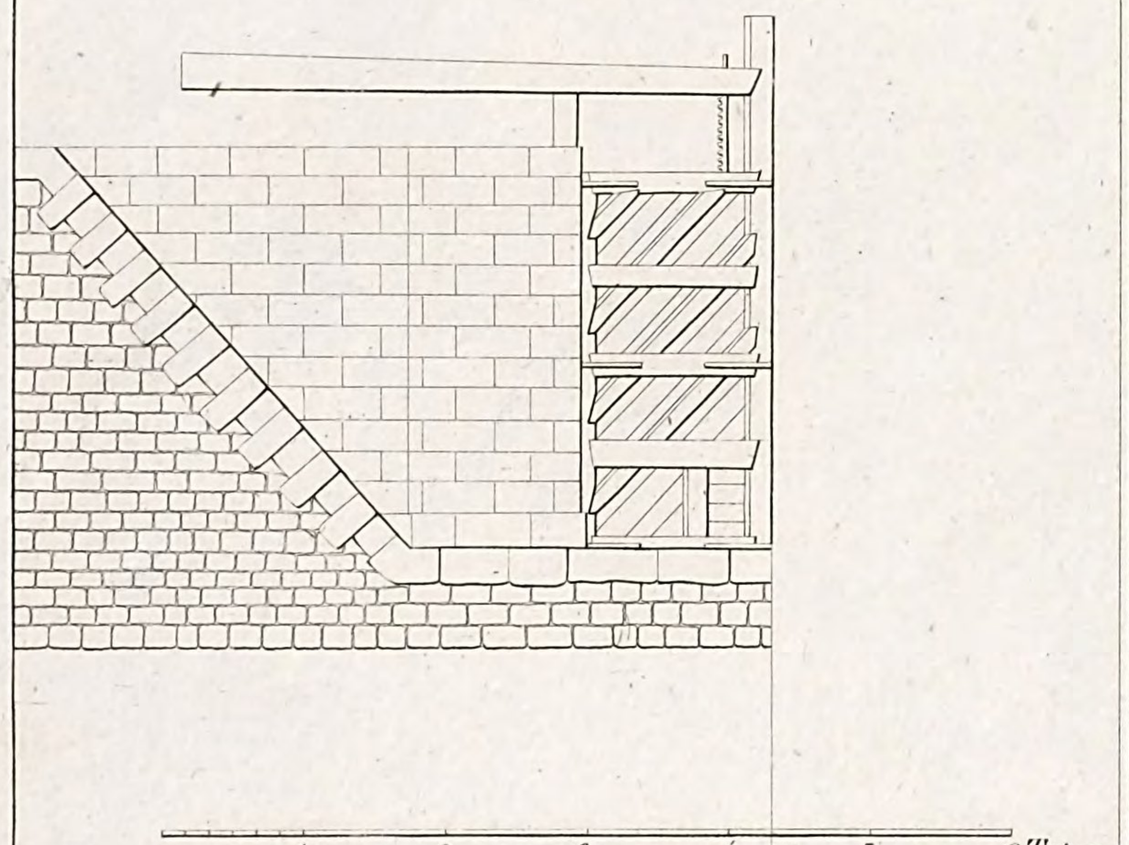


Im Orig. Taf. LII.

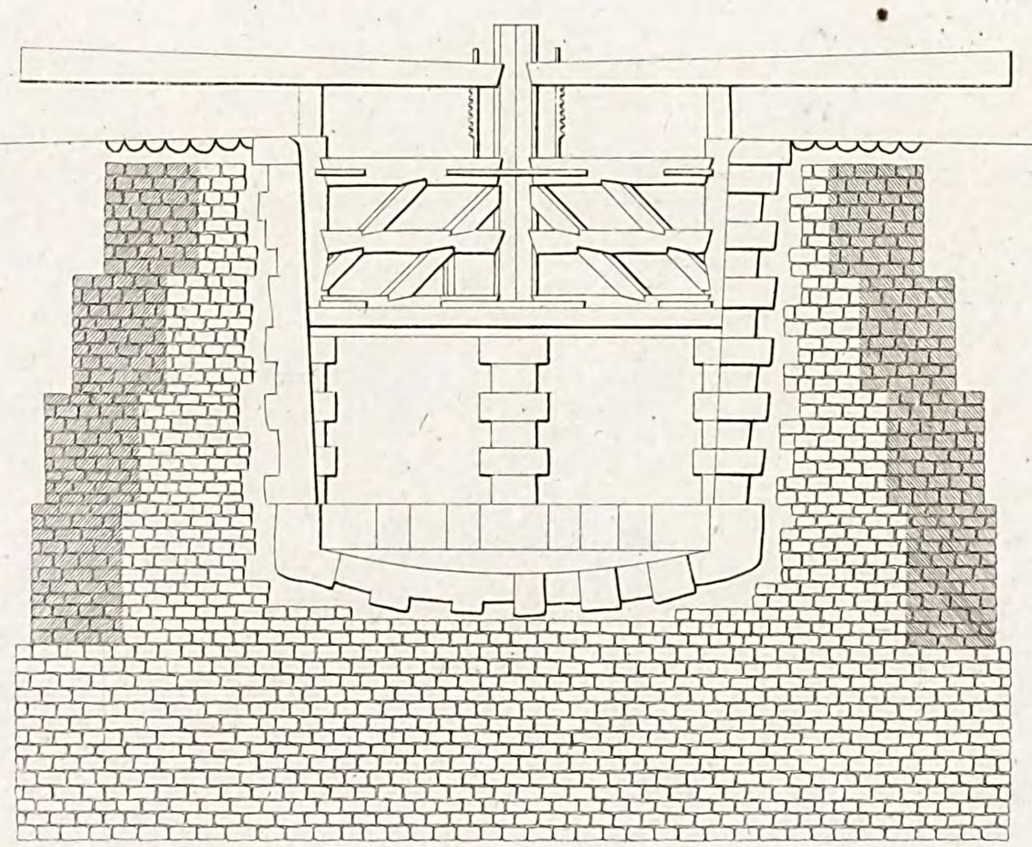
I. G. Sturm sc.



Unterthor einer Schleuse von 10 Fuss Gefälle.



Oberthor einer Schleuse von 10 Fuss Gefälle.

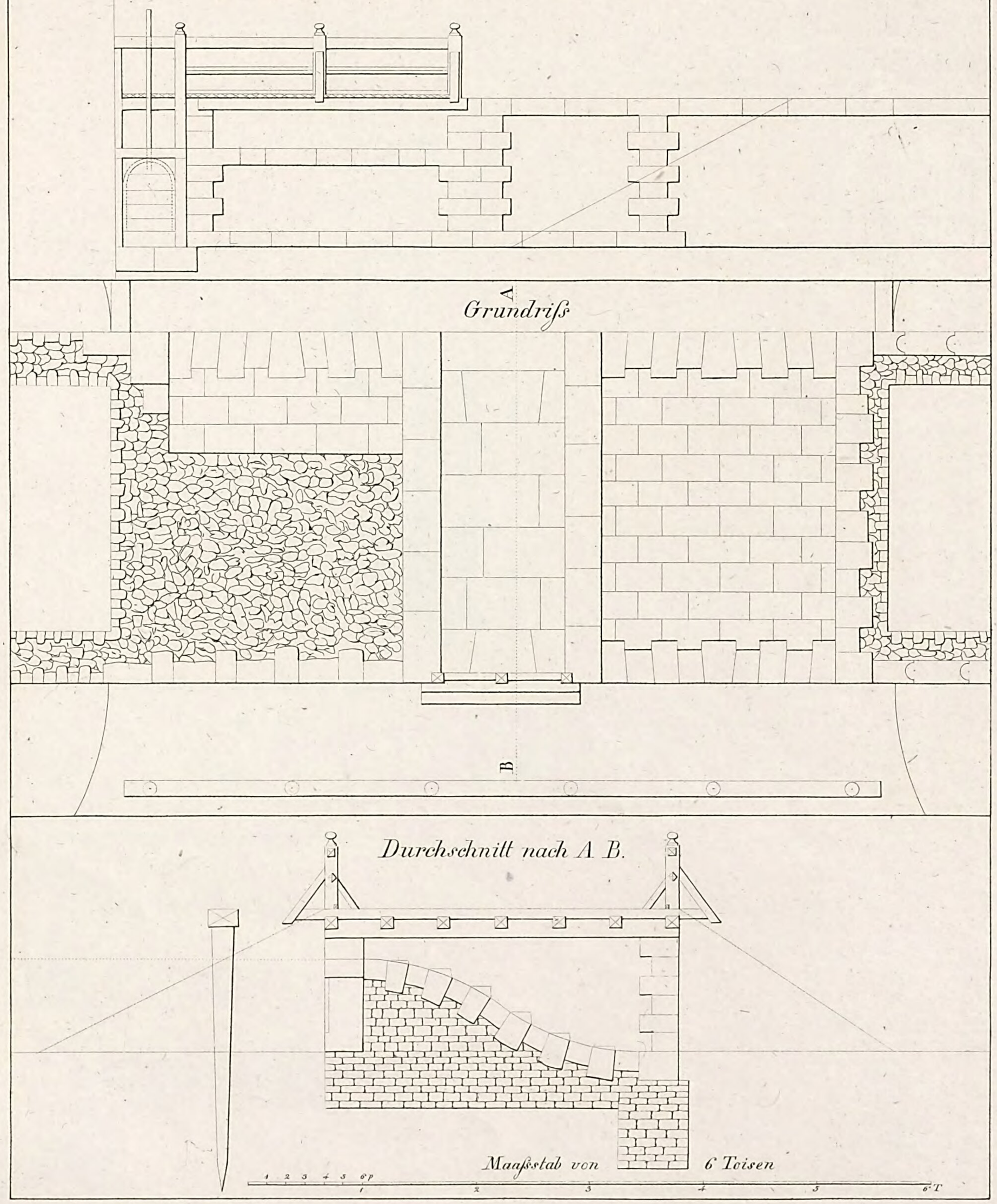


Im Orig. Taf. LIII.

I. G. Stürm sc.

LB
Cob

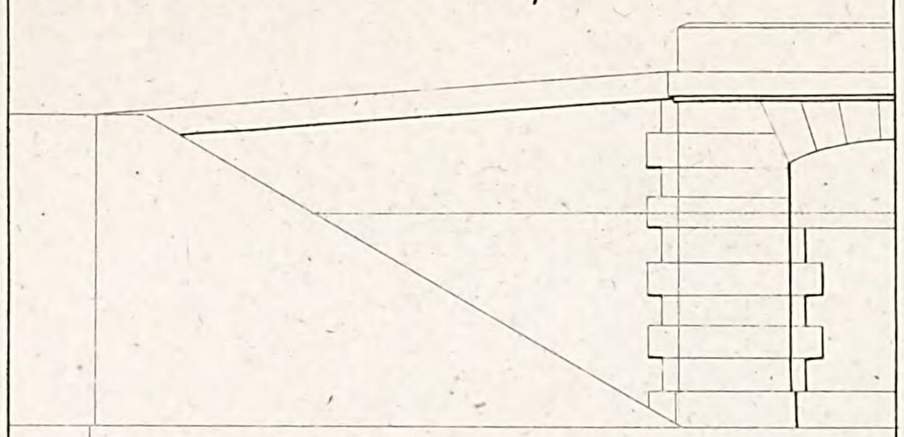
Aufriß eines Ueberfalls mit Grundablaß in der Mitte.



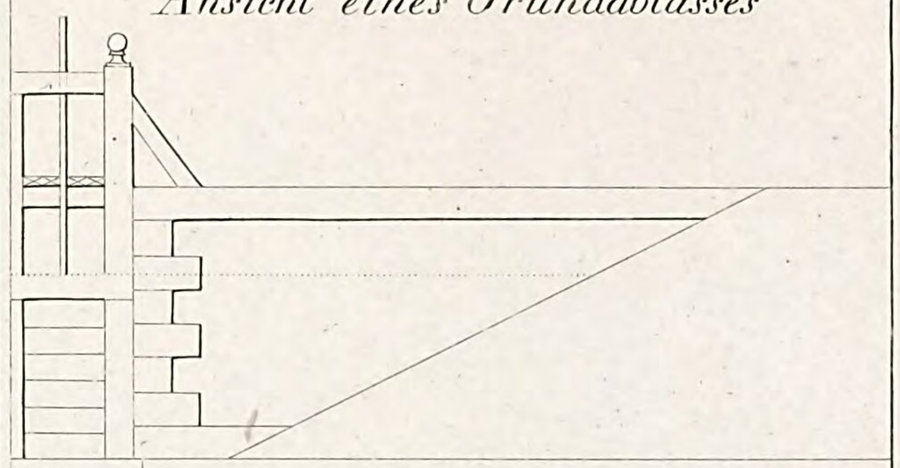
Im Orig. Taf. LIV.

LB
Cob

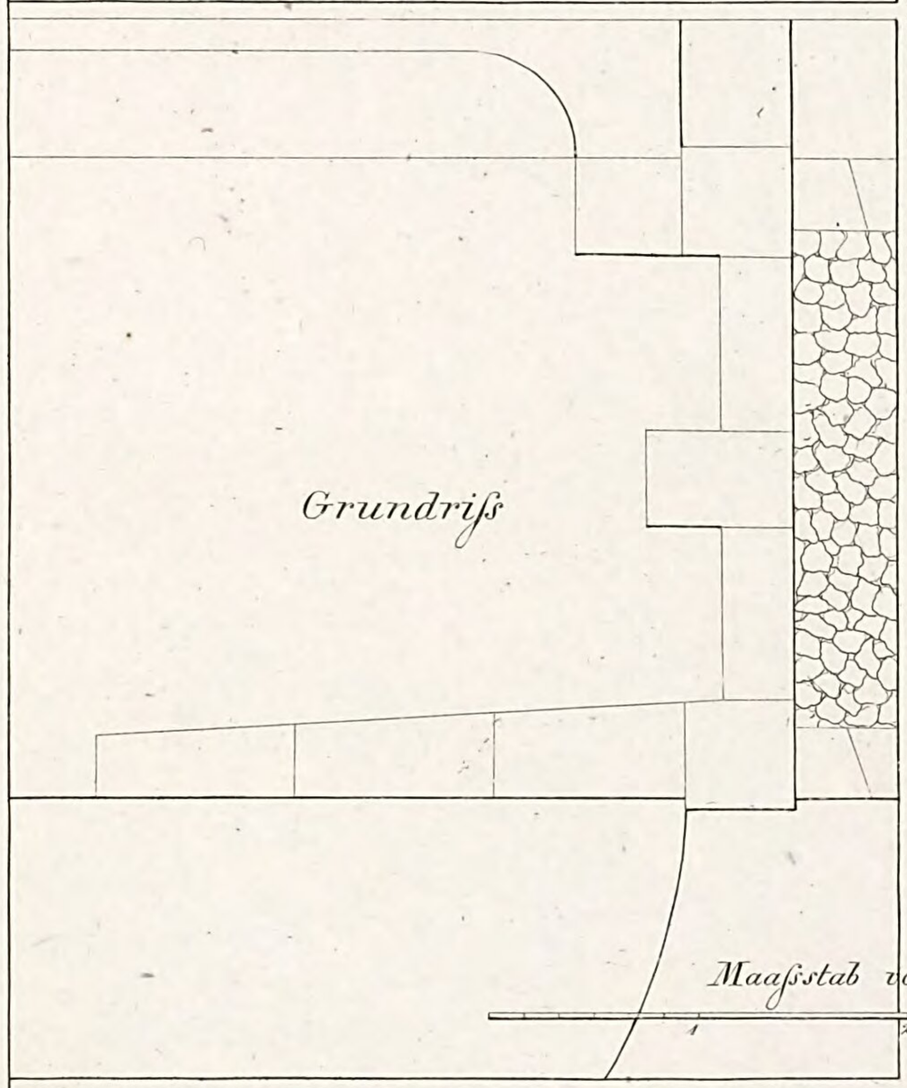
Ansicht eines Ueberfallwehrs



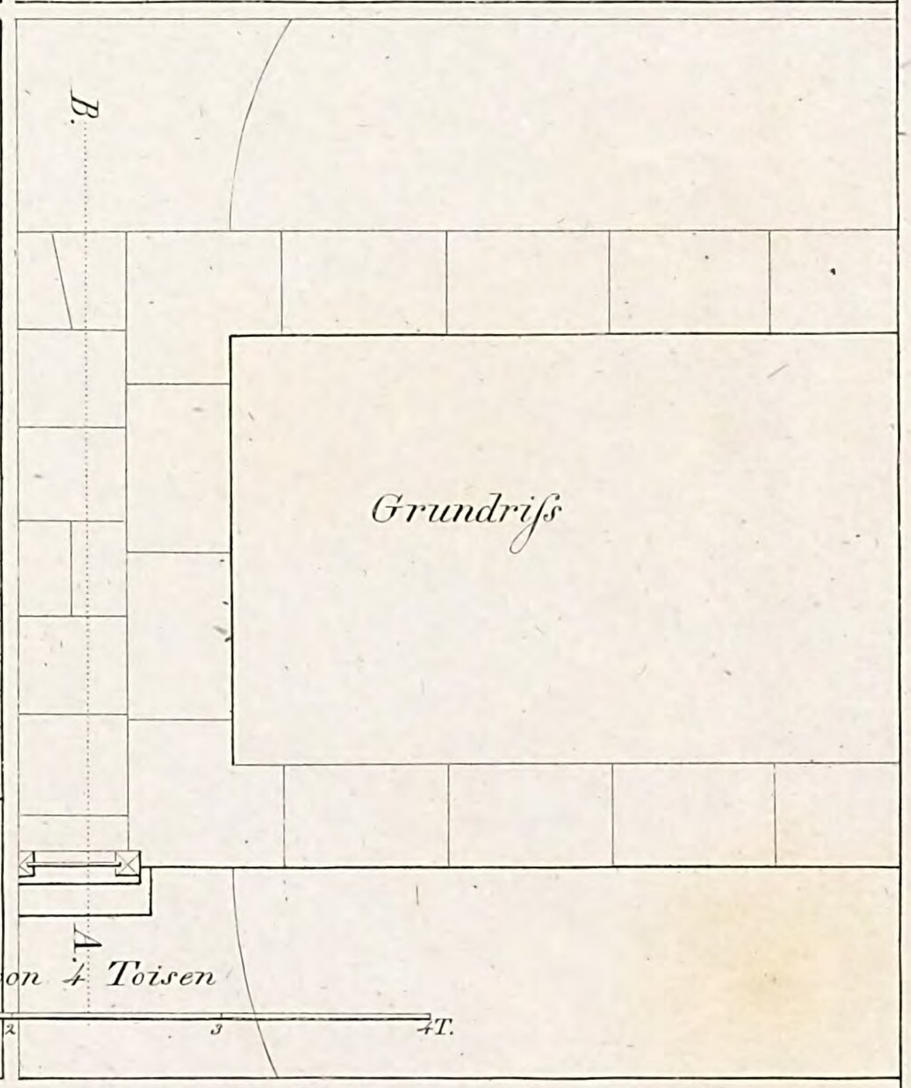
Ansicht eines Grundablasses



Grundriſs



Grundriſs



Maaſsstab von 4 Toisen

1 2 3 4T.

Durchschnitt

Durchschnitt nach A. B.

Im Orig. Taf. LV.

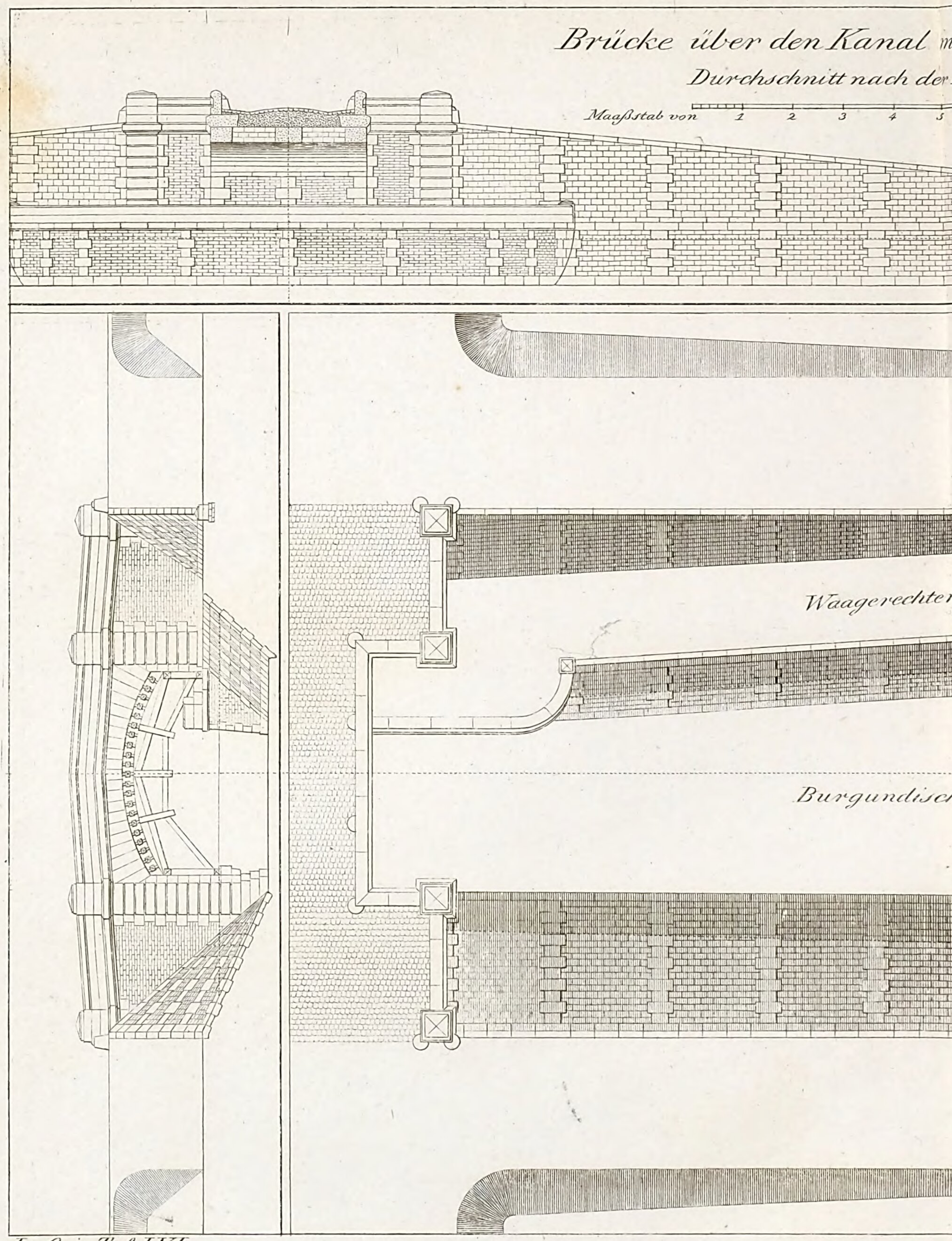
LB
Cob

LB
Cob

Brücke über den Kanal m

Durchschnitt nach der

Maaßstab von 1 2 3 4 5



Waagerechter

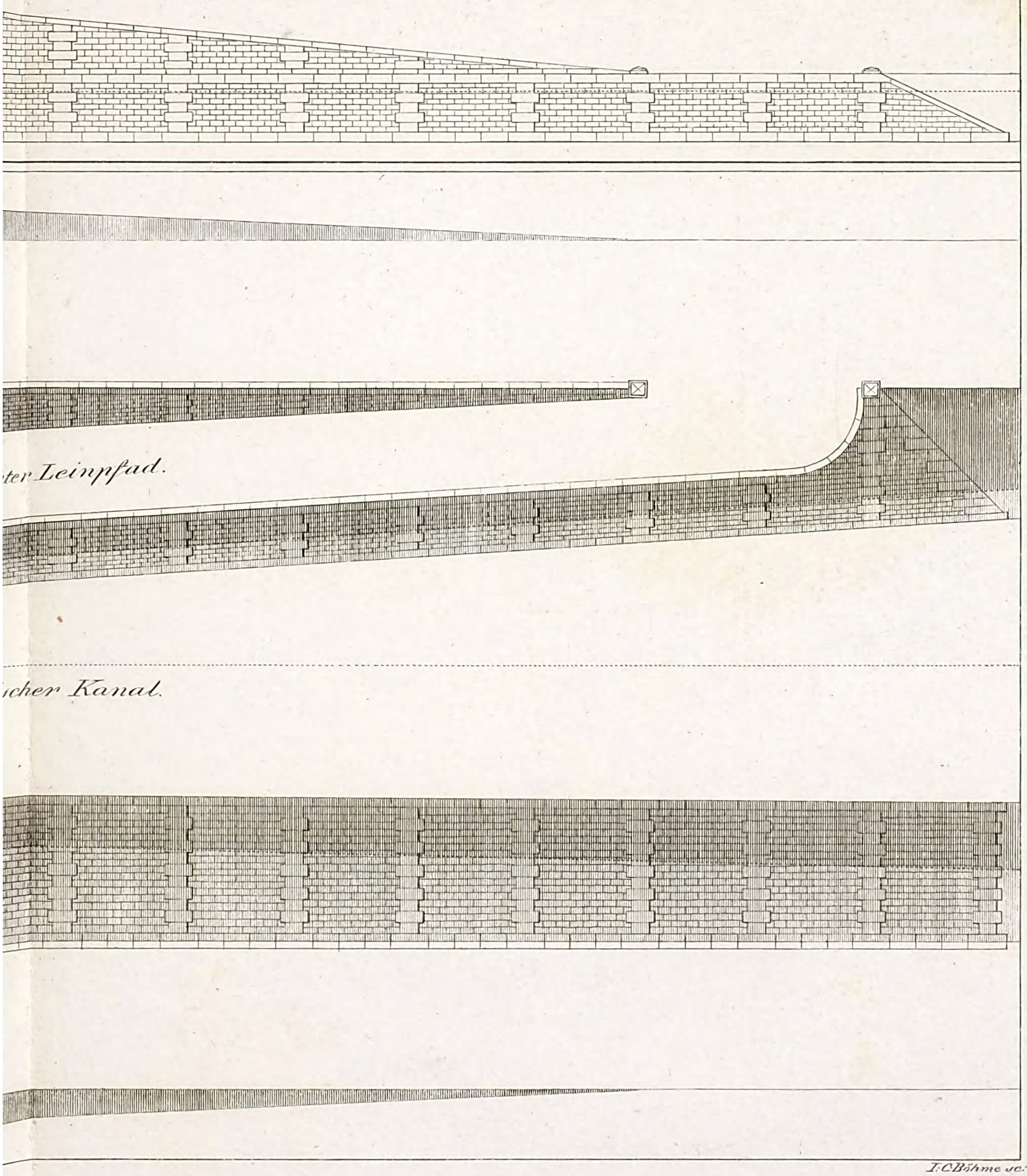
Burgundiser

Im Orig. Taf. LVI.

l mit Leinpfad darunter.

der Länge des Kanals.

5 10 Toisen



ter Leinpfad.

icher Kanal.

I: C. Böhme sc:

LB
Cob

LB
Cob

Aufriß des Brück-Kanals über die Armanse.

Im Orig. Taf. LVII.

…itt durch die
…er Brücke.

… von 12 Toisen

6 12 T.

J. G. Sturm sc.

LB
Cob

Durchschnitt und Grundriss des Zapfens und der Pfanne.

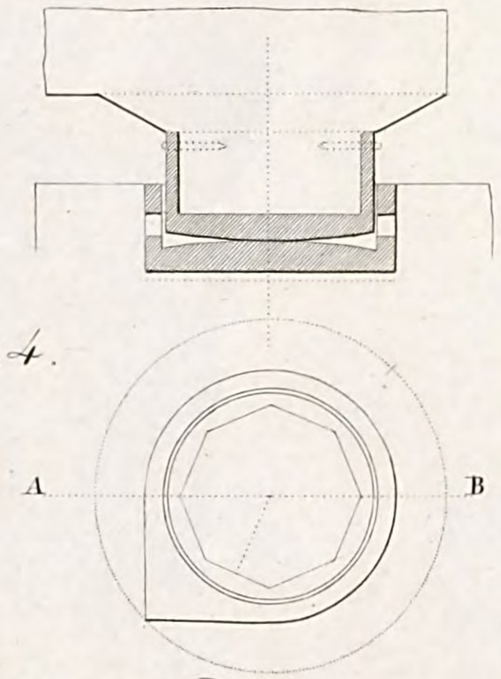


Fig. 4.

Maafsstab von 24 Zoll.

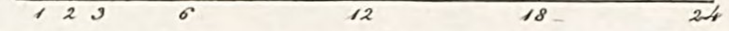
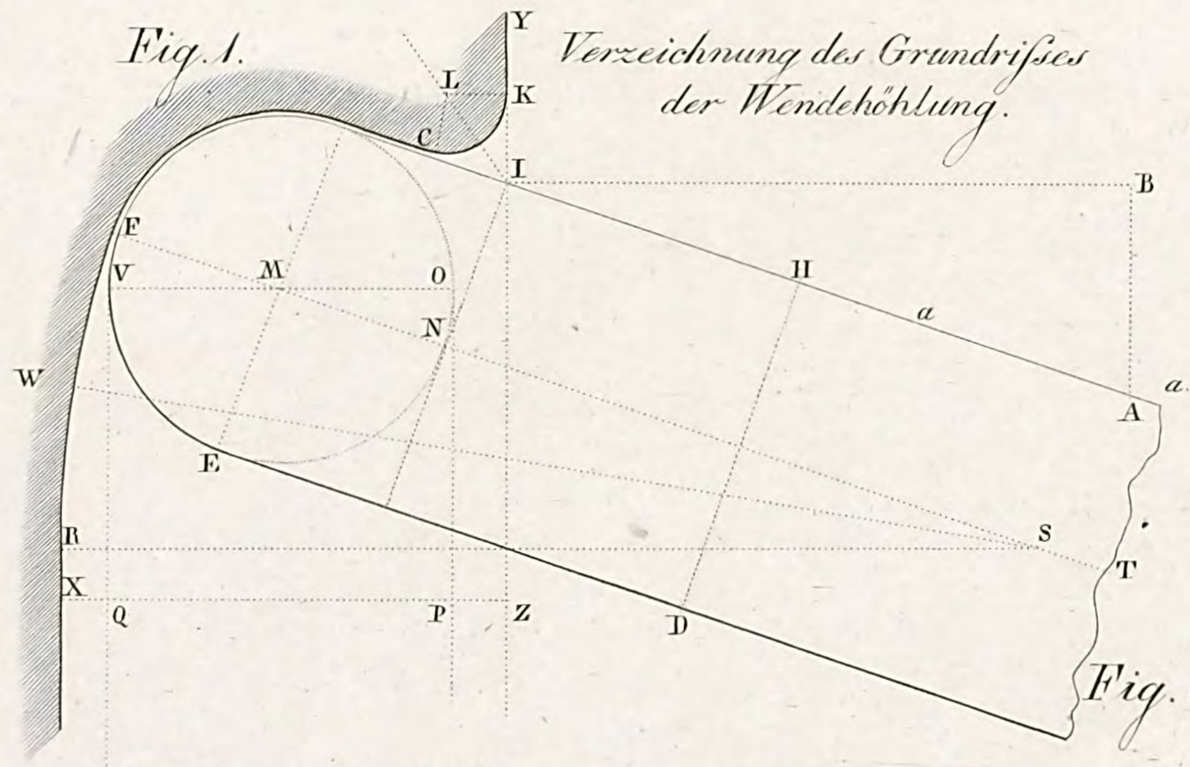


Fig. 1. *Verzeichnung des Grundrisses der Wendehöhlung.*



Aufriss einer Wendesäule.

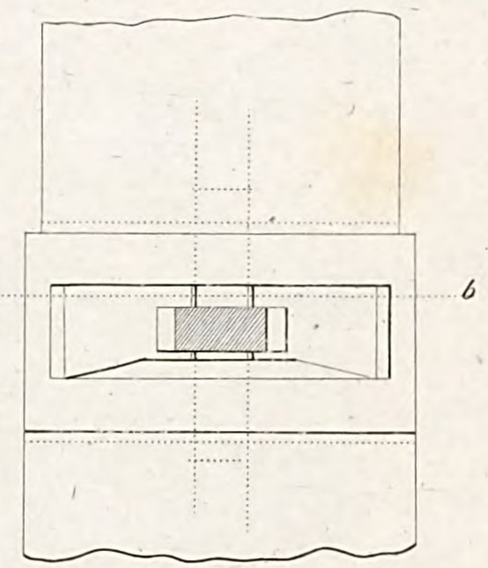
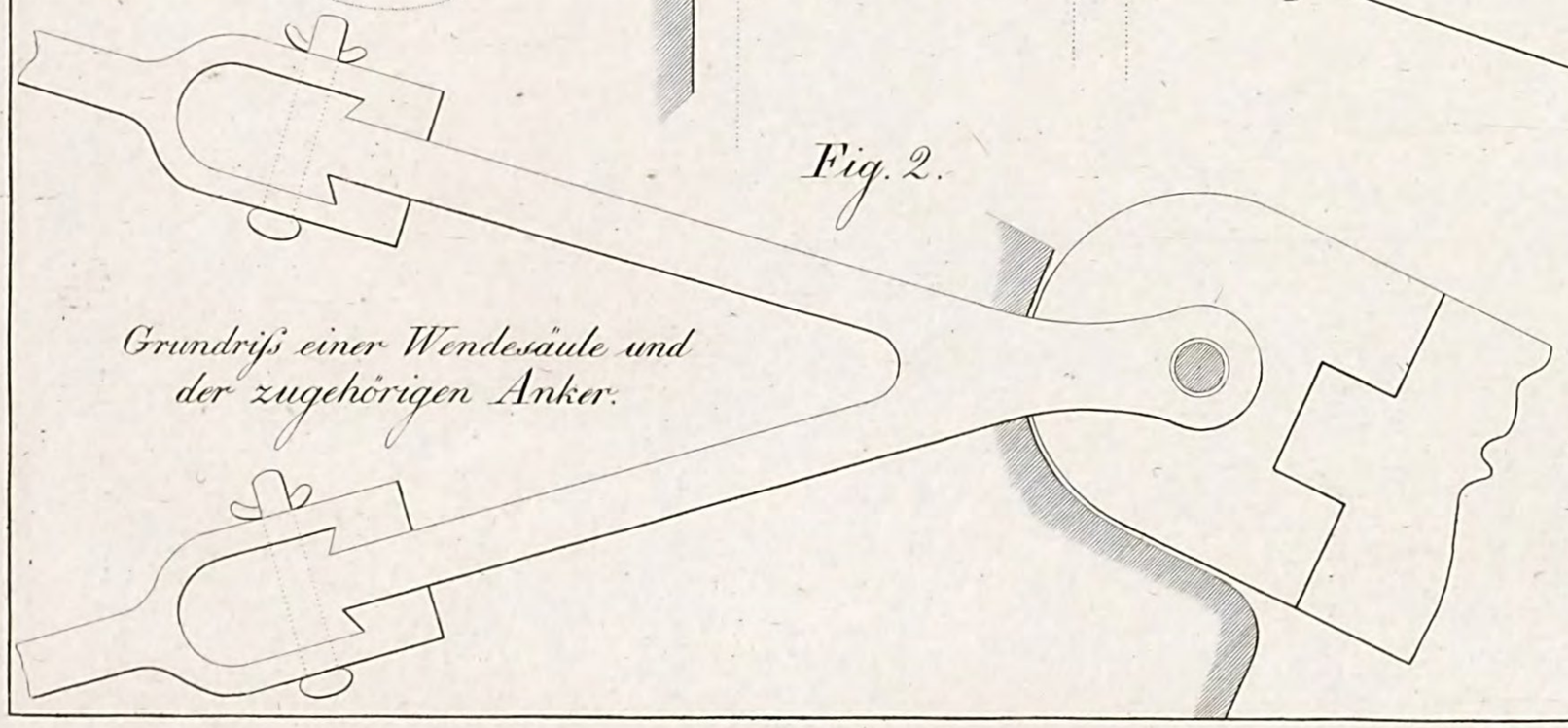
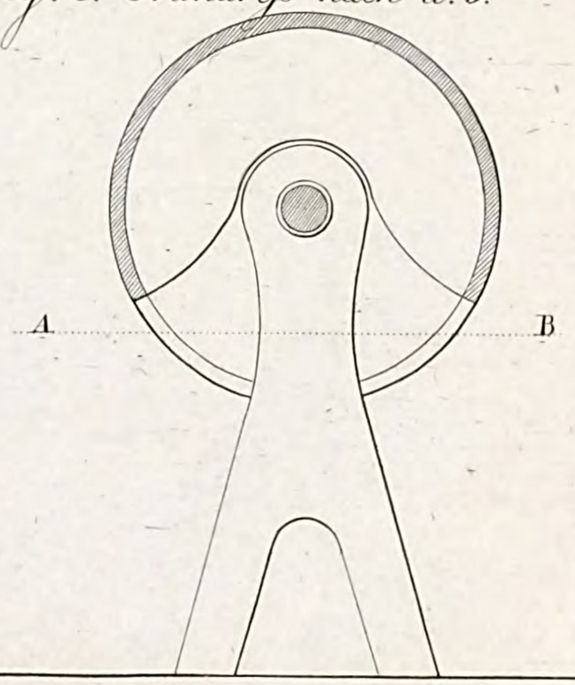


Fig. 3. Grundriss nach a. b.

Fig. 2.



Grundriss einer Wendesäule und der zugehörigen Anker.



Im Orig. Taf. LVIII.

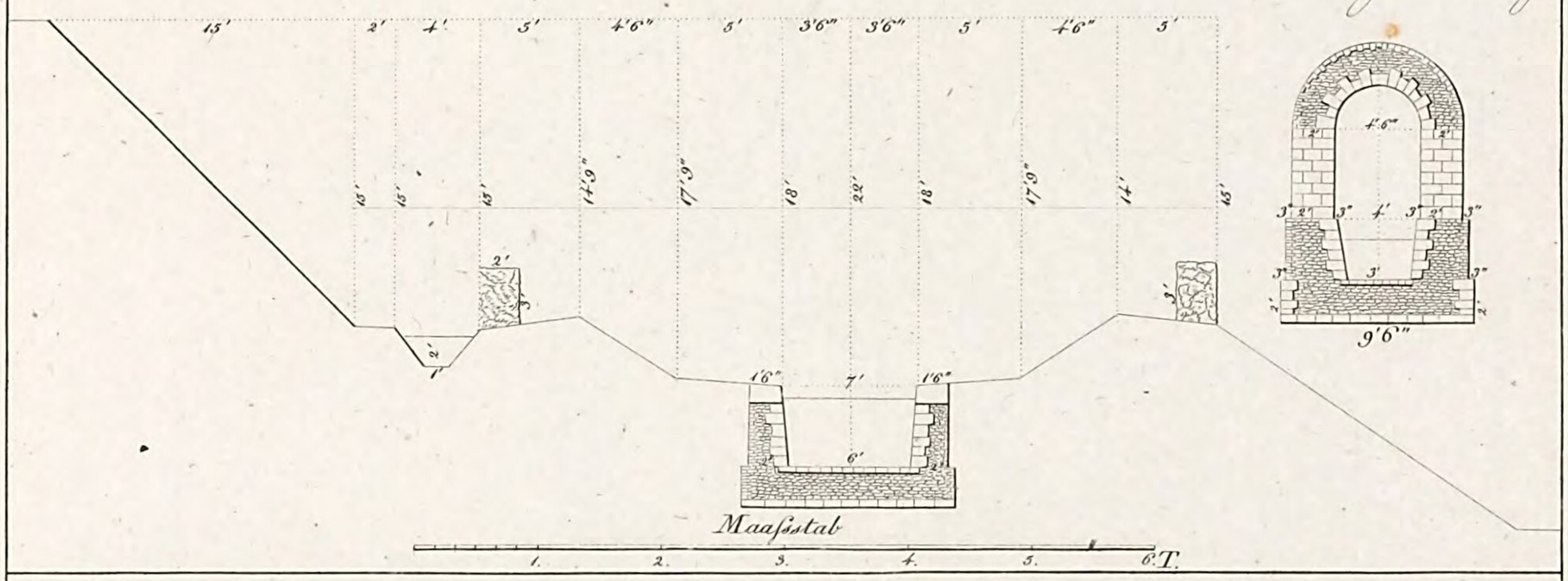
Maafsstab von 1 2 3 6 12 18 *24 Zoll.*

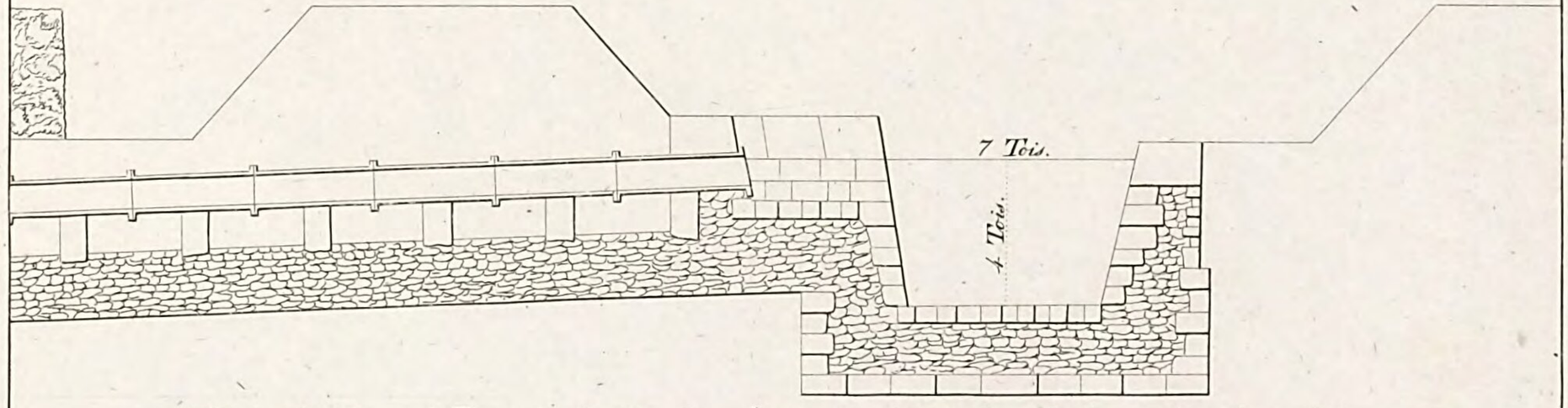
I. G. Sturm sc.

LB
Cob

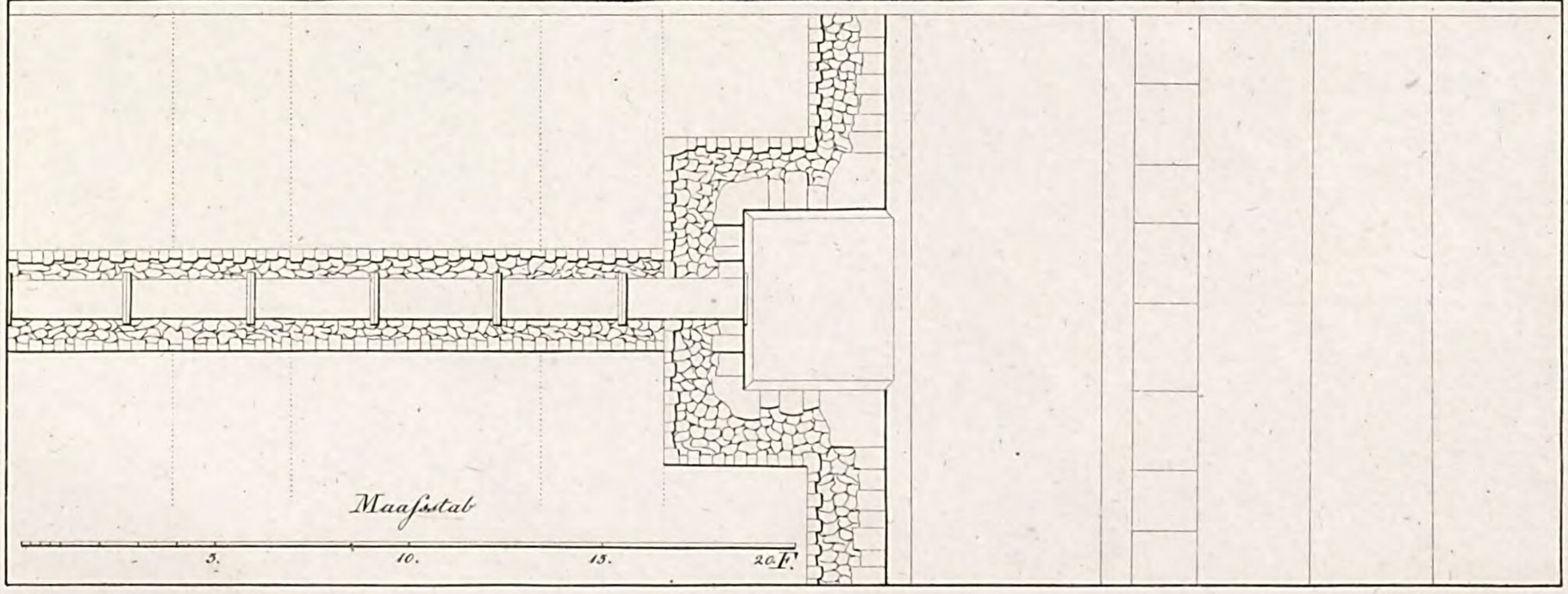
Queerschnitt des Yvette Kanals

Queerschnitt des unterirdischen Theils des Kanals durch den Berg bei Massy.





Grundriss und Durchschnitt der Ausmündung der Röhre, durch welche das Quellwasser von Bures her in den Yvette Kanal geleitet wird.

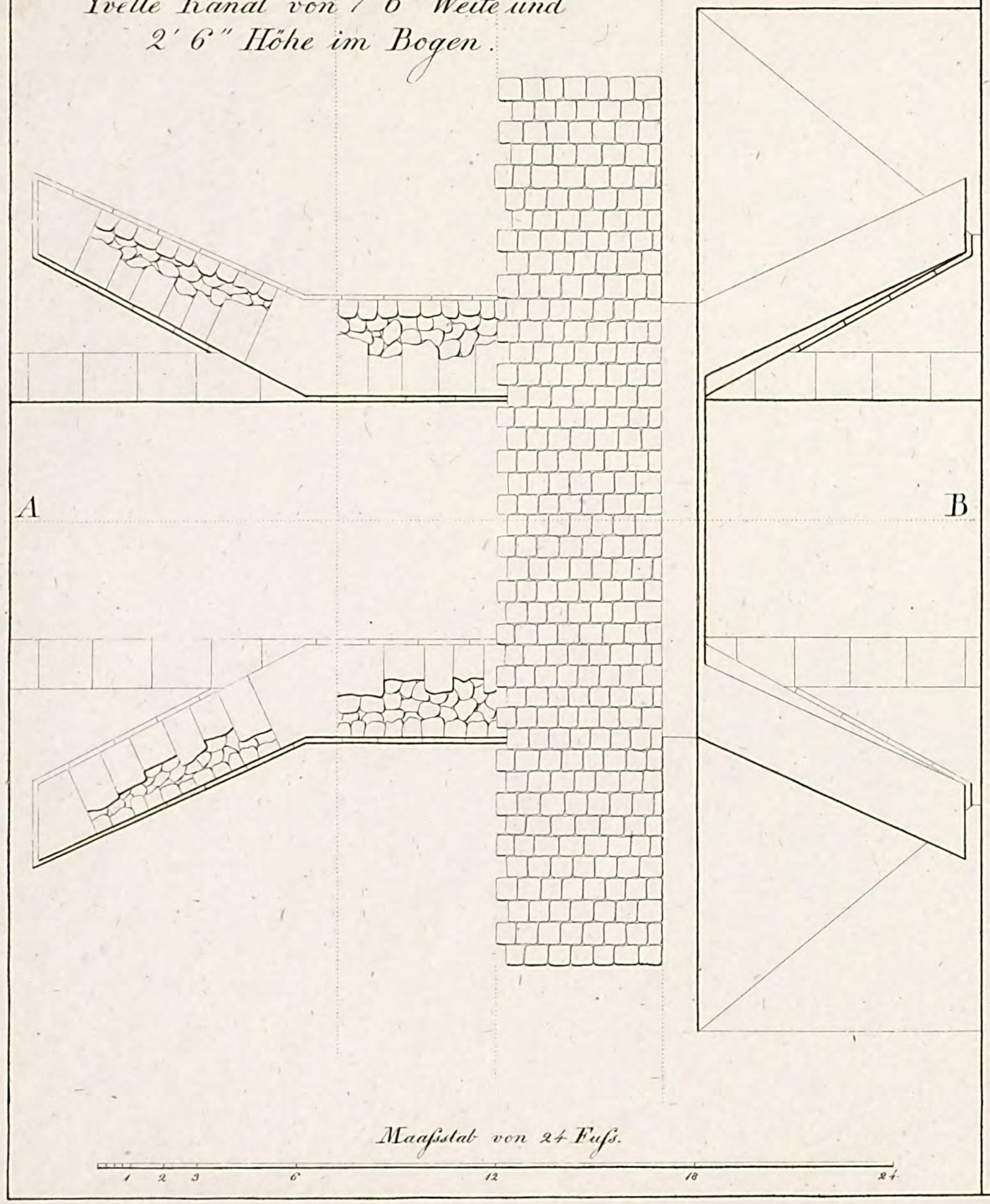


Im Orig. Taf. LX. LXI.

I. G. Sturm sc.

LB
Cob

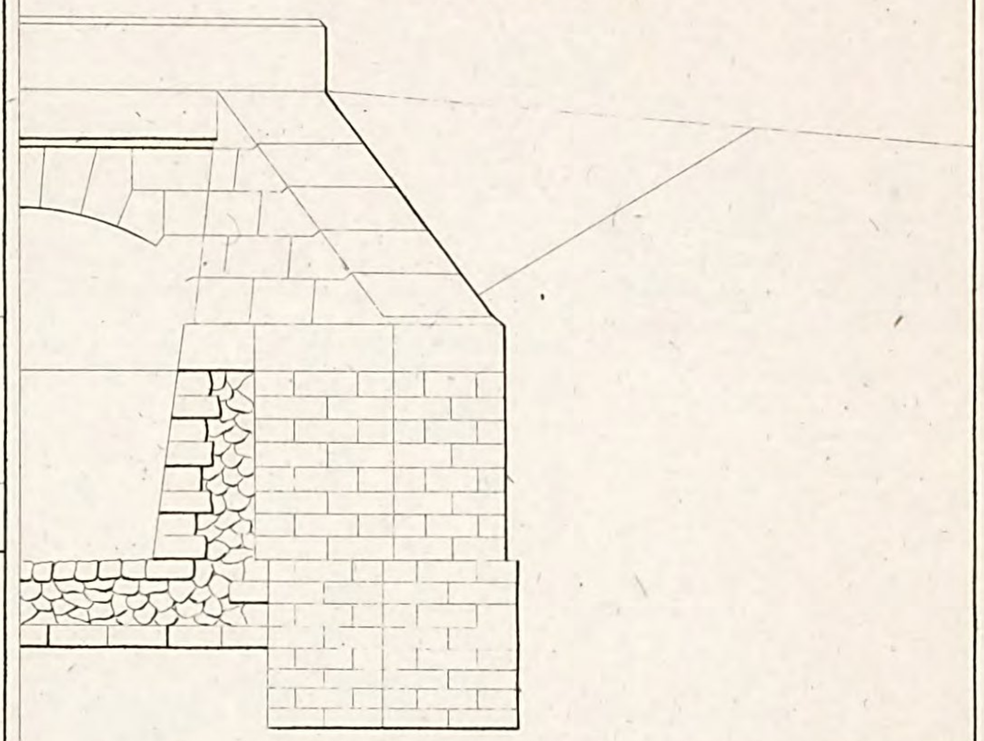
Grundriß einer kleinen Brücke über den Yvette Kanal von 7′ 6″ Weite und 2′ 6″ Höhe im Bogen.



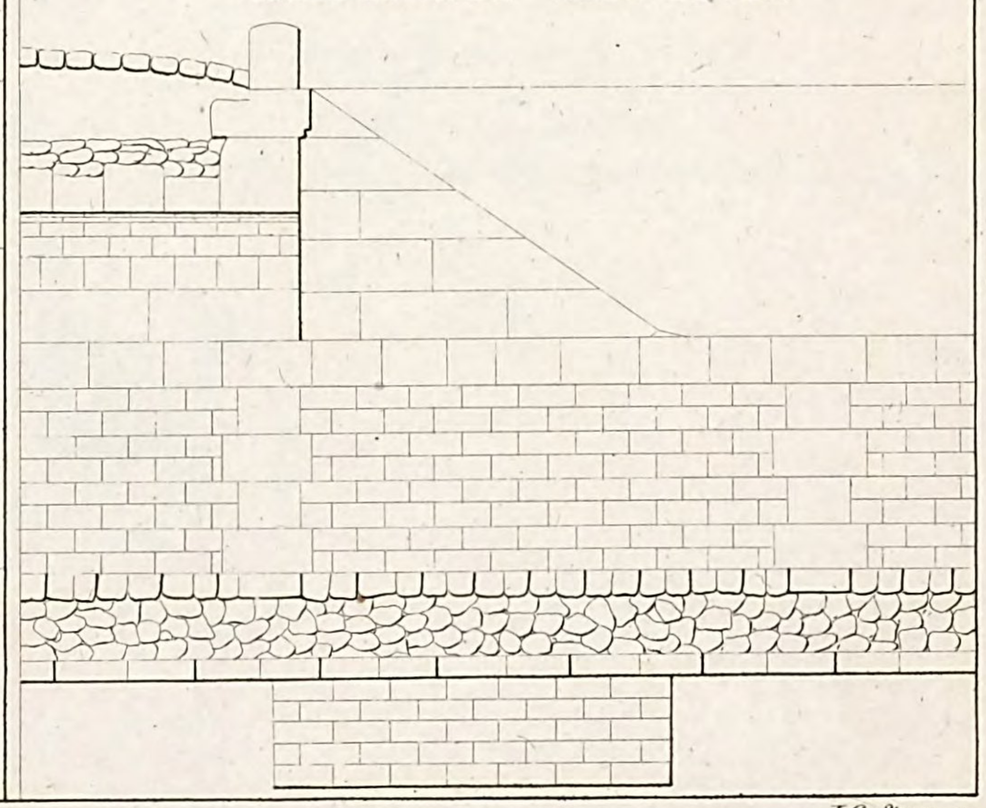
Maaßstab von 24 Fuß.

1 2 3 6 12 18 24

Durchschnitt.



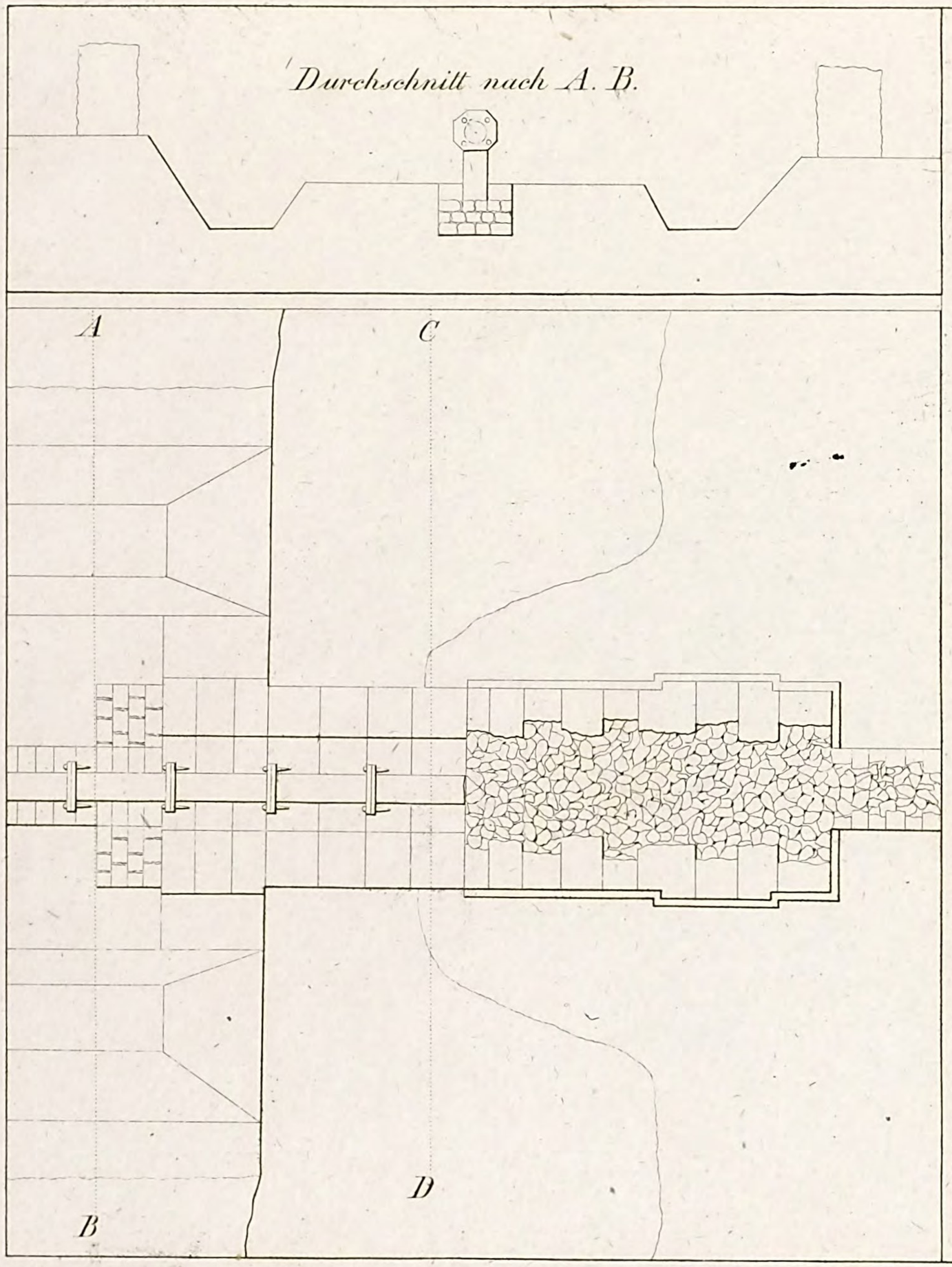
Durchschnitt nach A. B.

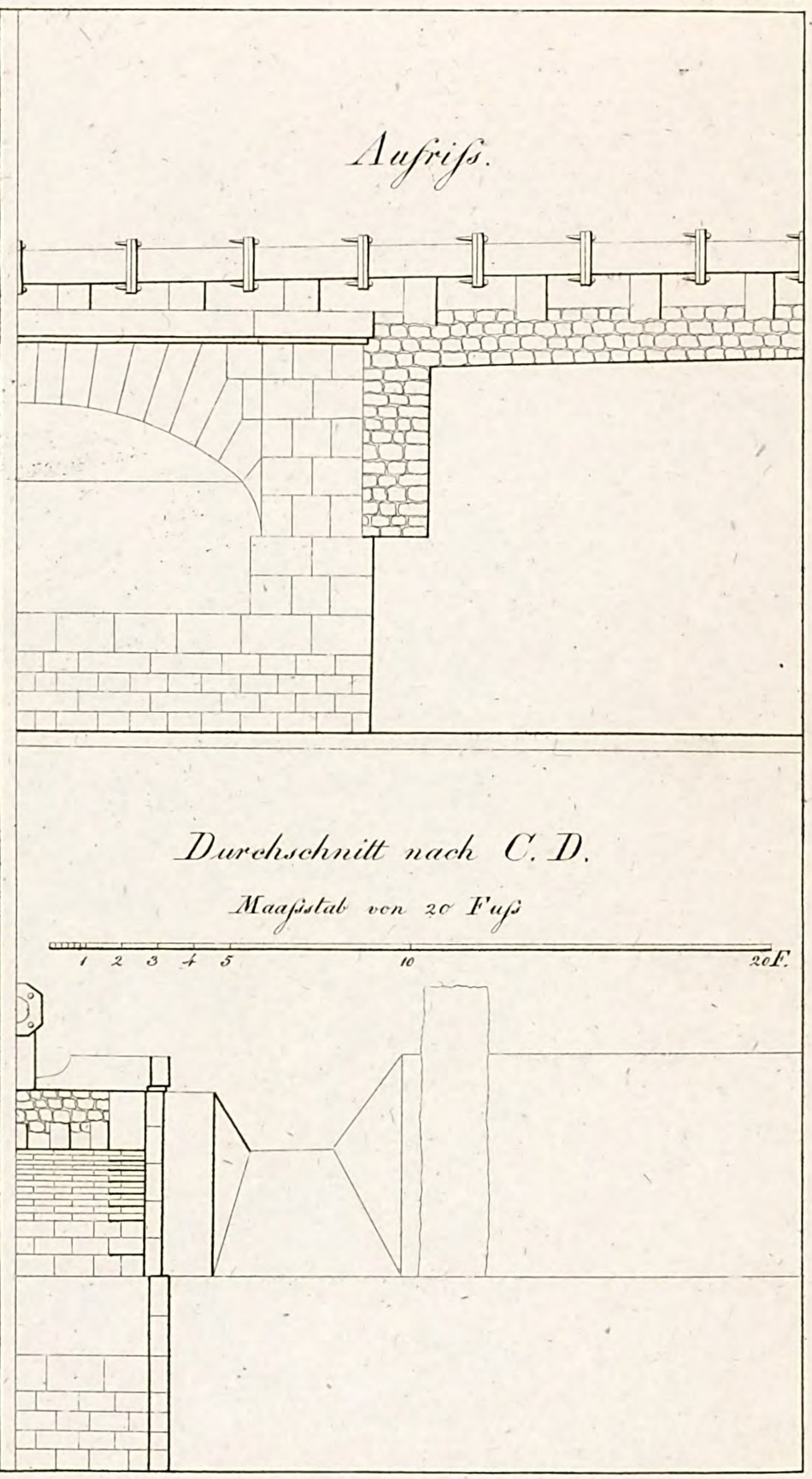


I.G. Sturm sc.

Im Orig. Taf. LXII.

Röhrbrücke über die Yvette.





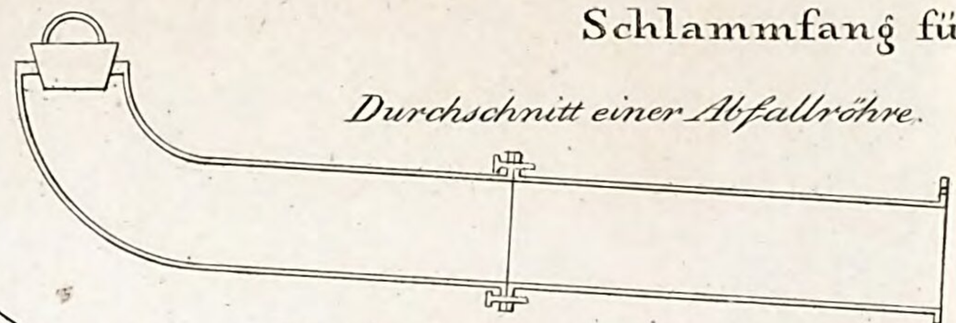
Im Orig. Taf. LXIII.

Coburger
Landes
Bücherei

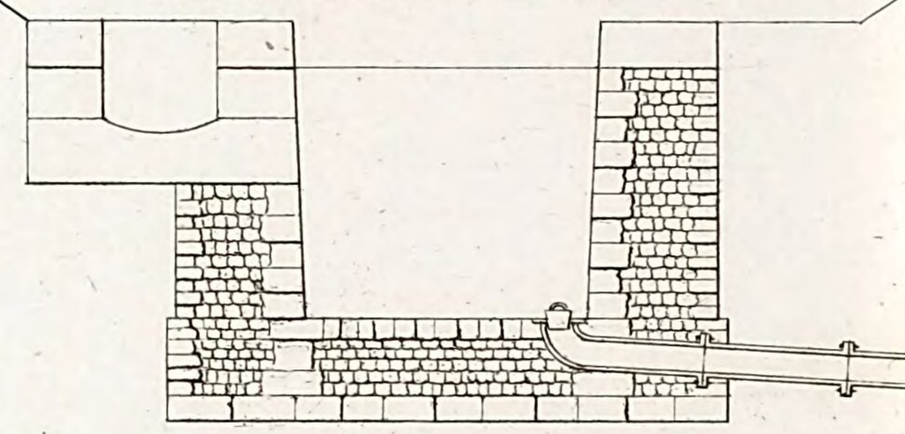
LB
Cob

Schlammfang für

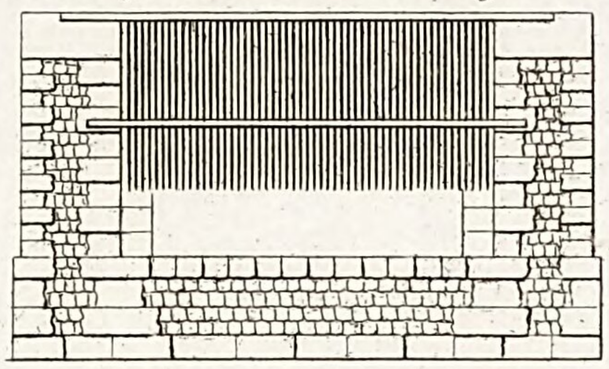
Durchschnitt einer Abfallröhre.



Durchschnitt nach A. B.

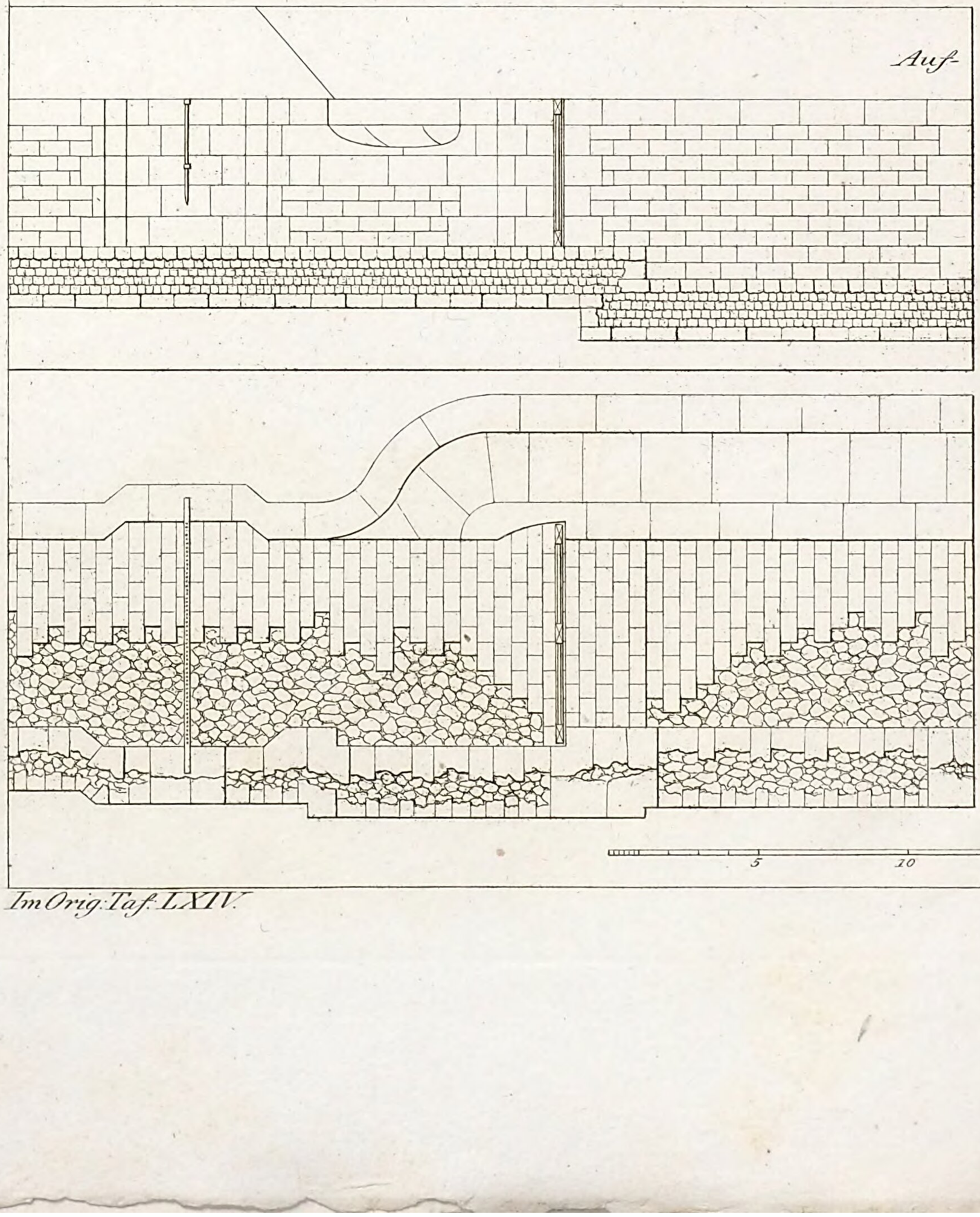


Durchschnitt eines Gitters zum Aufhalten der Unreinigkeiten.



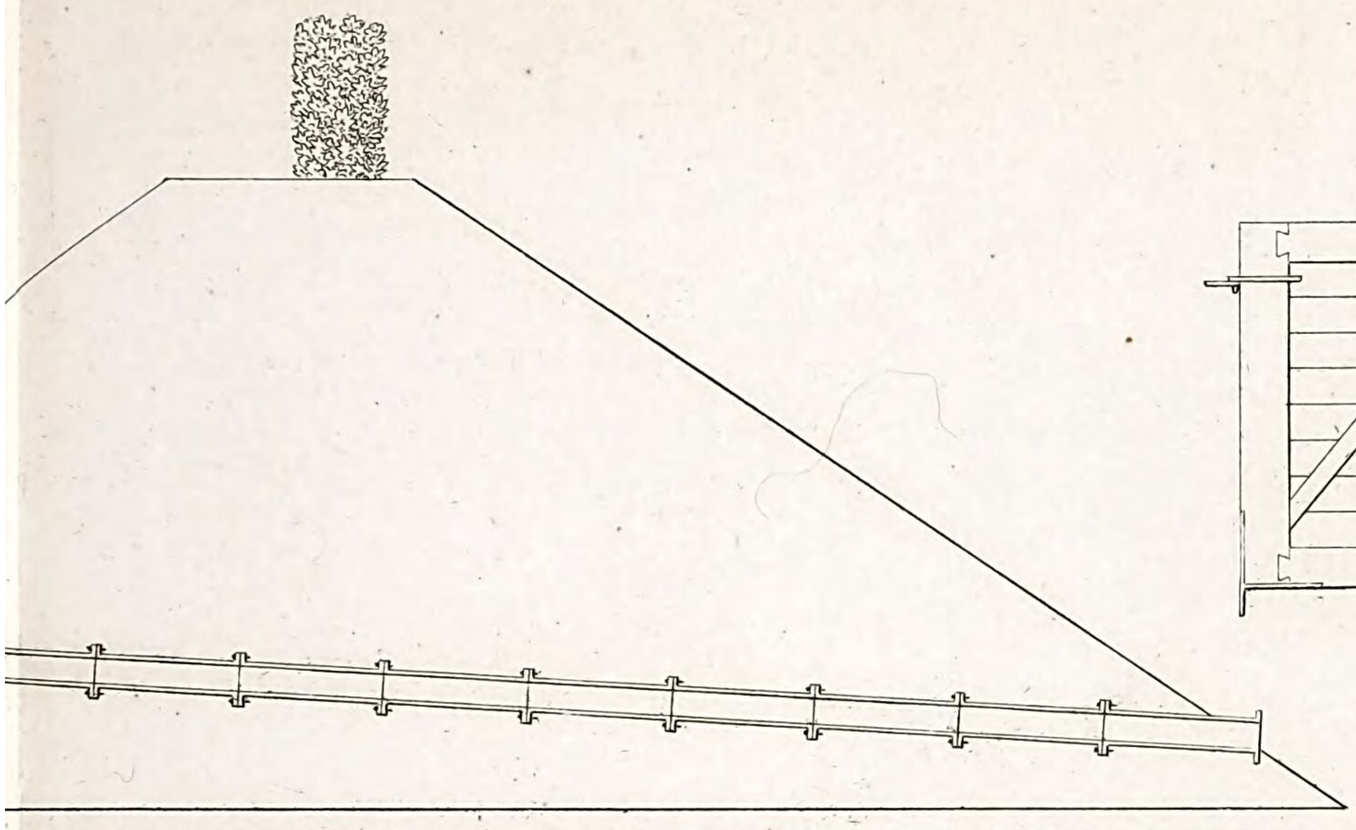
Auf-

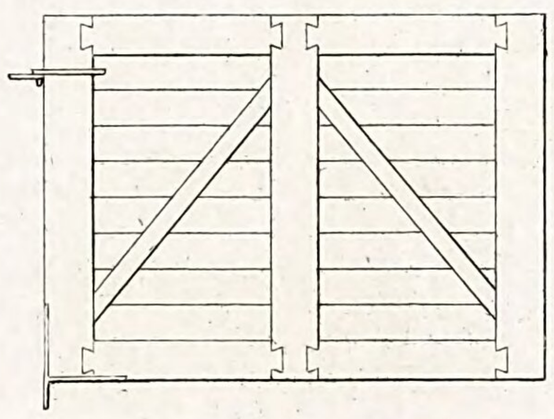
riß.

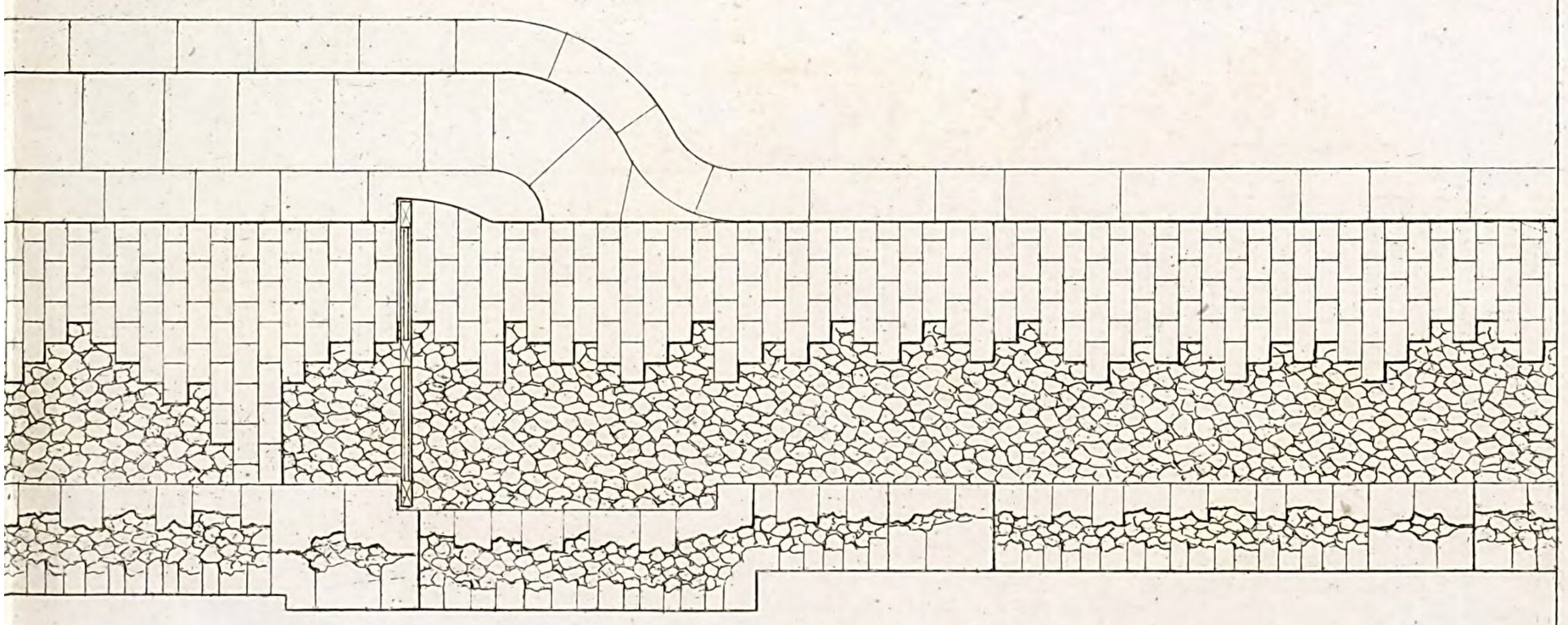


Im Orig: Taf: LXIV.

r den Yvette Kanal.







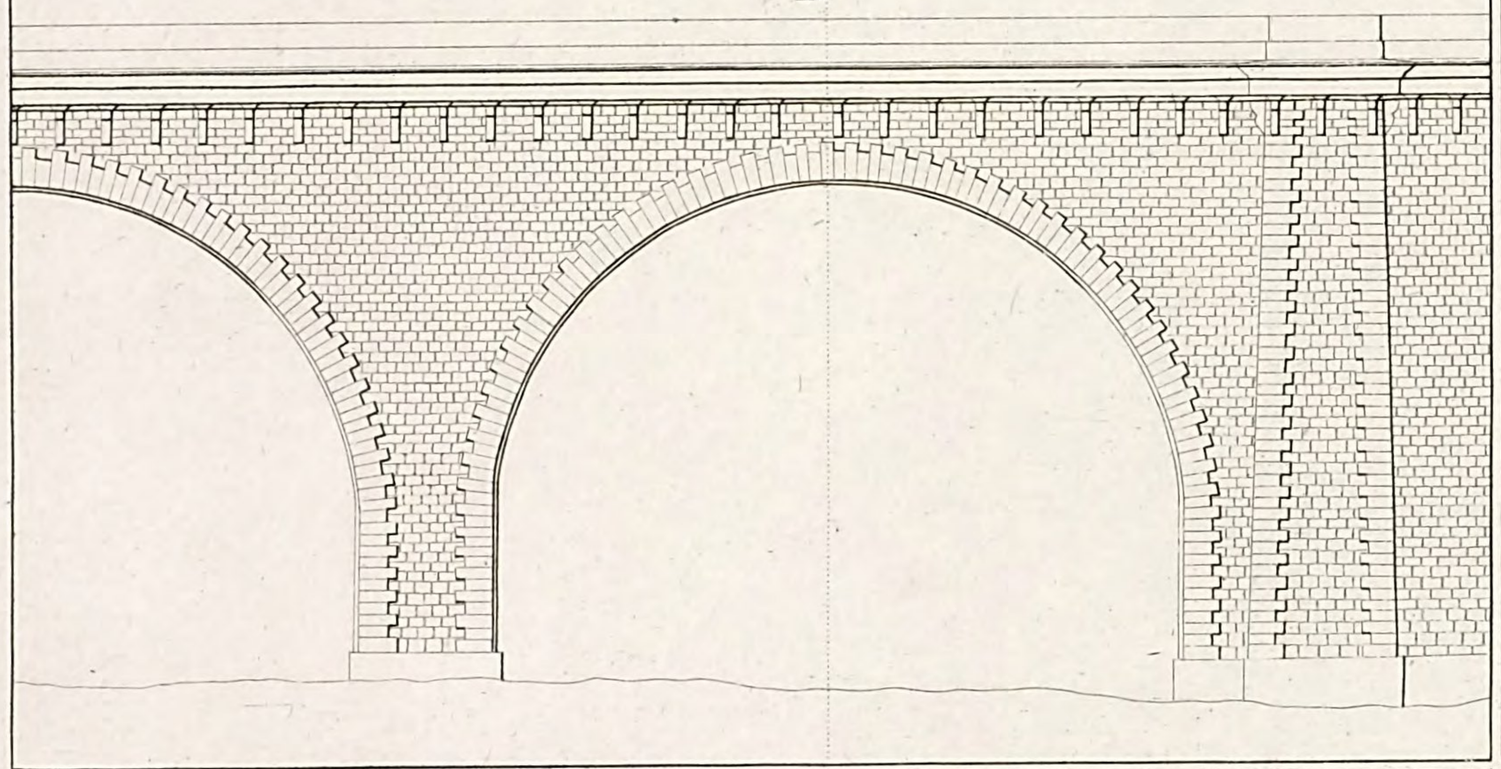
20 25 Fuß.

I. C. Böhme sc.

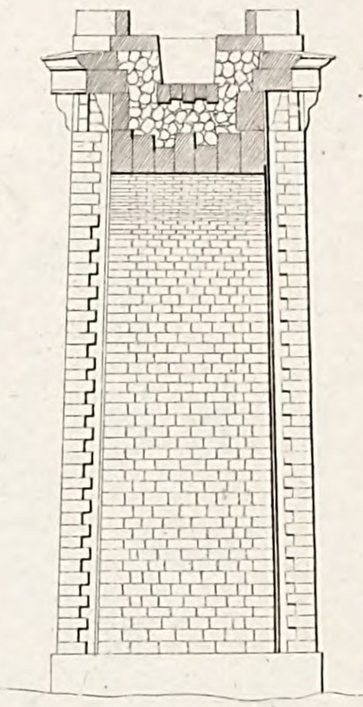
LB
Cob

Aufriss eines Theils der 5 mittelsten Bogen der Brückwasserleitung über das Thal bei Tourvoie.

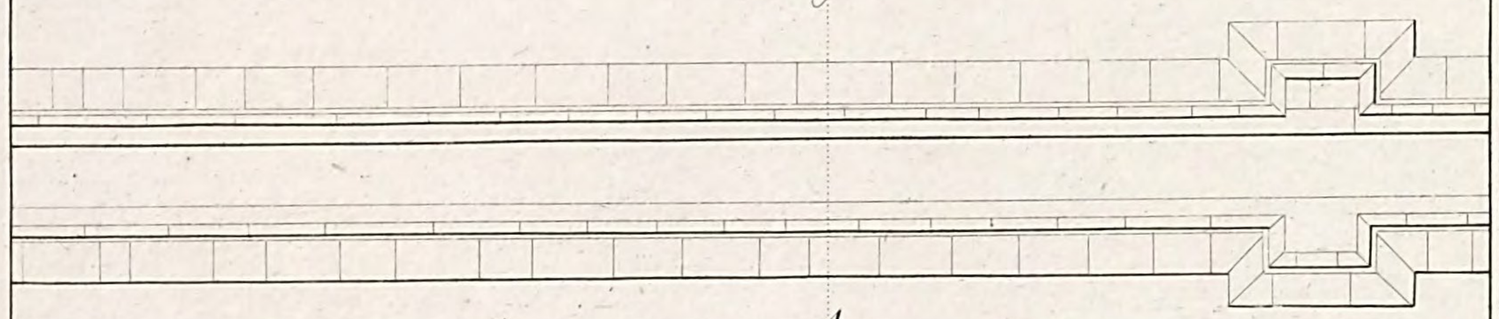
B



Durchschnitt nach A. B.



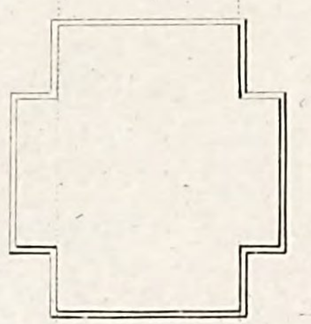
Grundriss.



A

Maasstab von 20 Toisen.

1. 2. 3. 4. 5. 10. 15. 20. T.

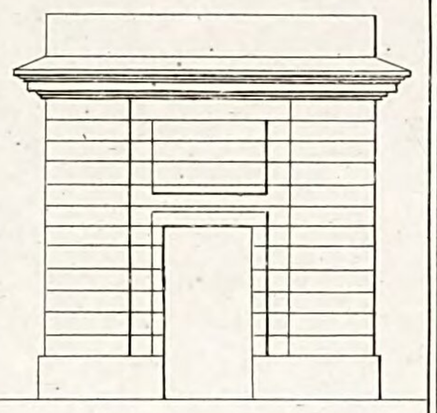


Im Orig. Taf. LXV.

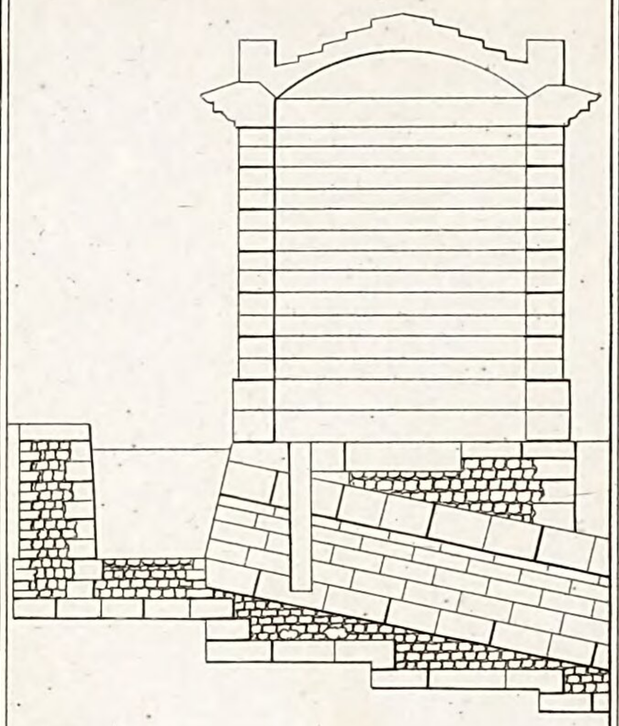
LB
605

L...
Cob

Aufriß

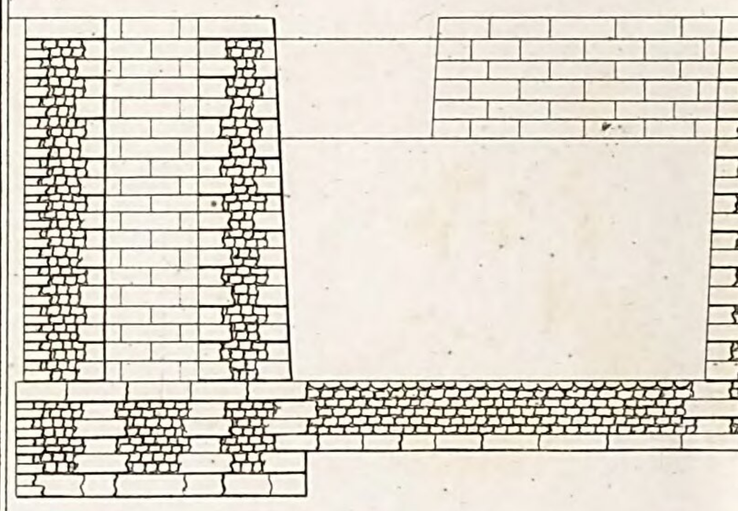


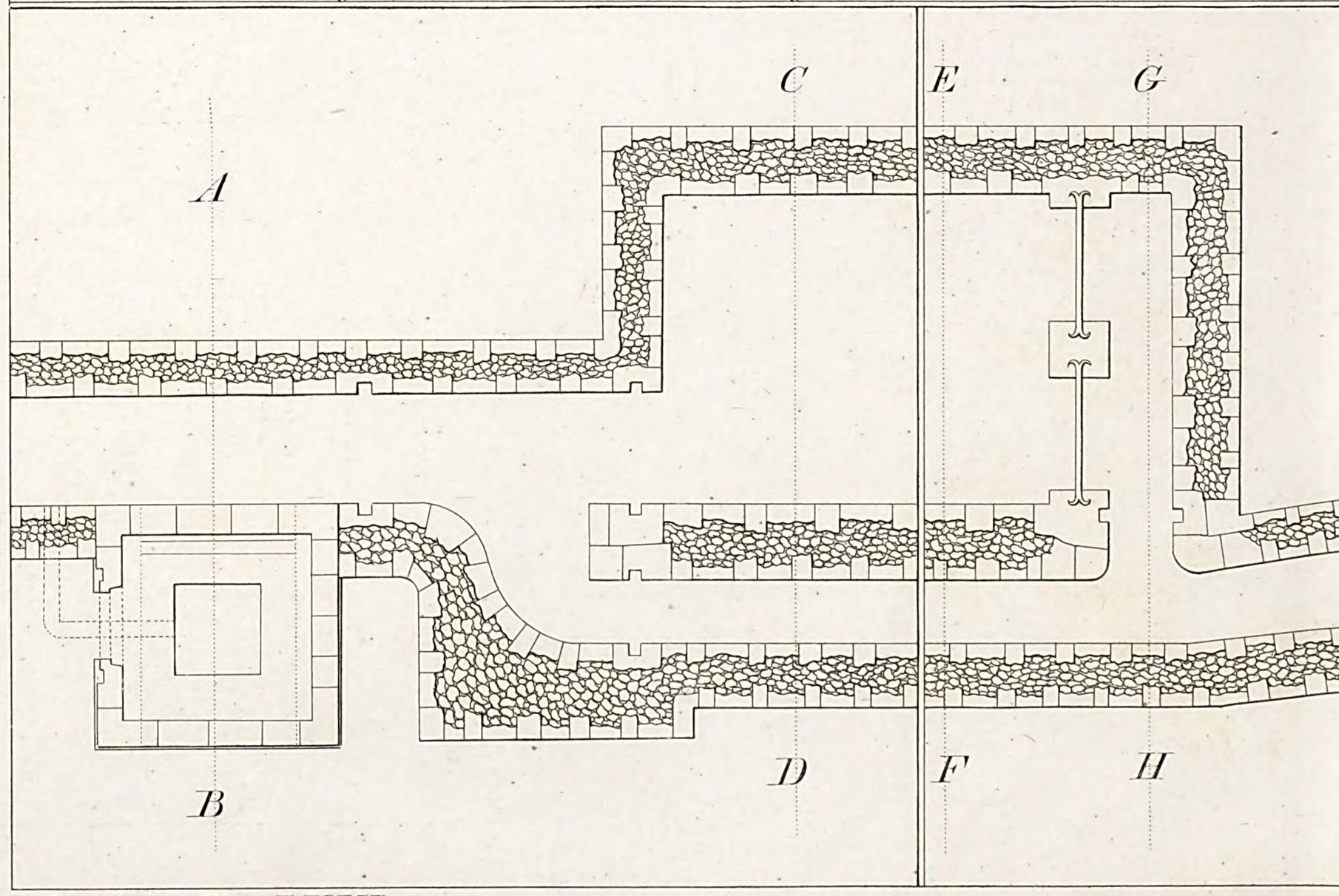
Durchschnitt nach A.B.



Seihebehälter

Durchschnitt nach C.D.

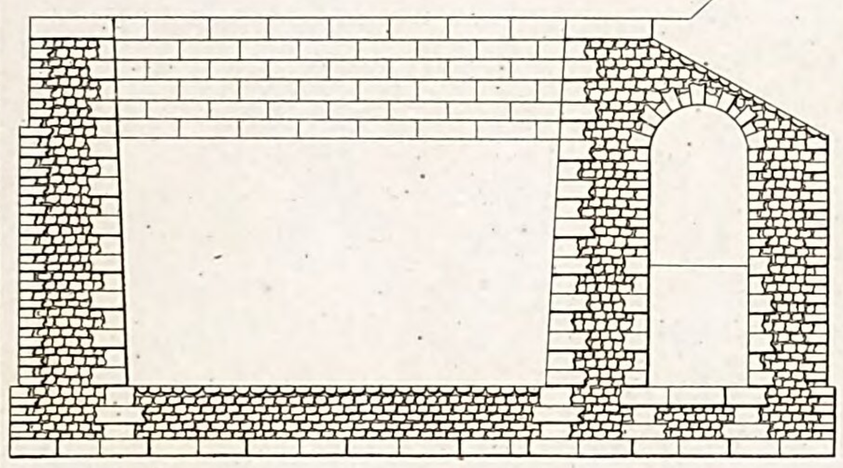




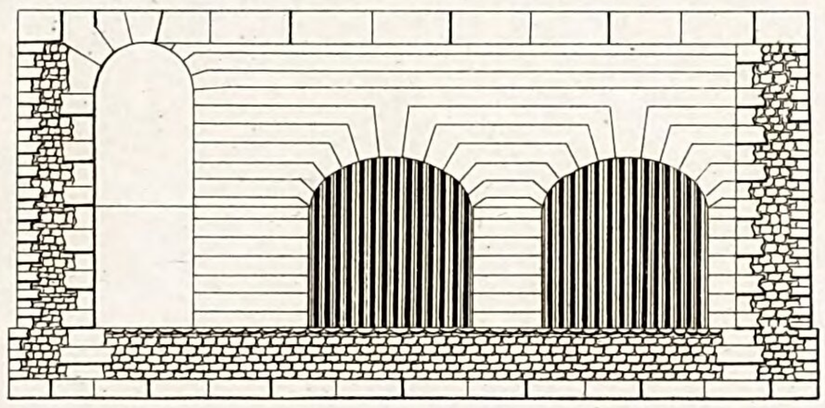
Im Orig. Taf. LXVI.

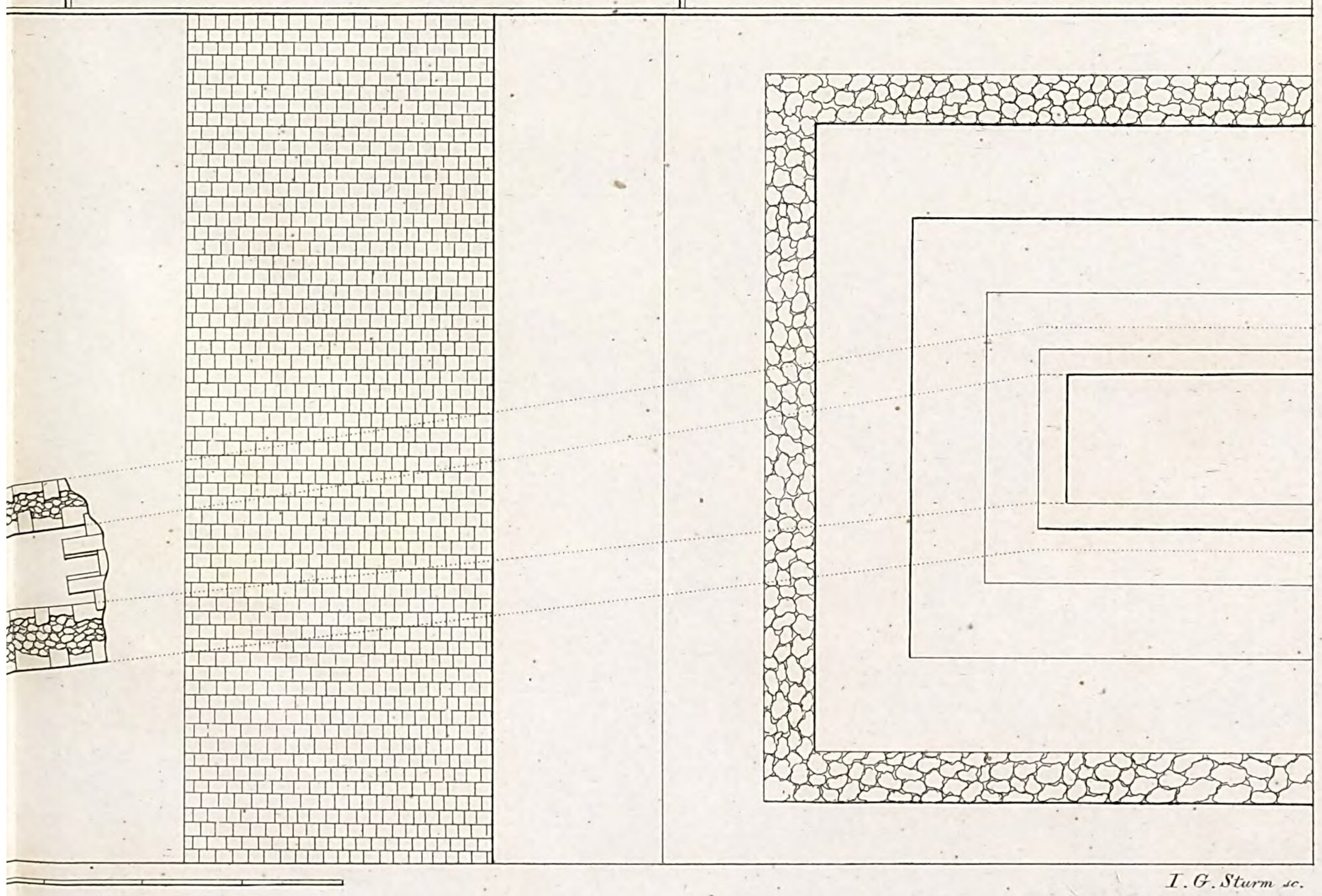
für den Yvette Kanal.

Durchschnitt nach E.F.



Durchschnitt nach G.H.





I. G. Sturm sc.

LB
Cob

LB
Cob

Erklärung

der Buchstaben auf den

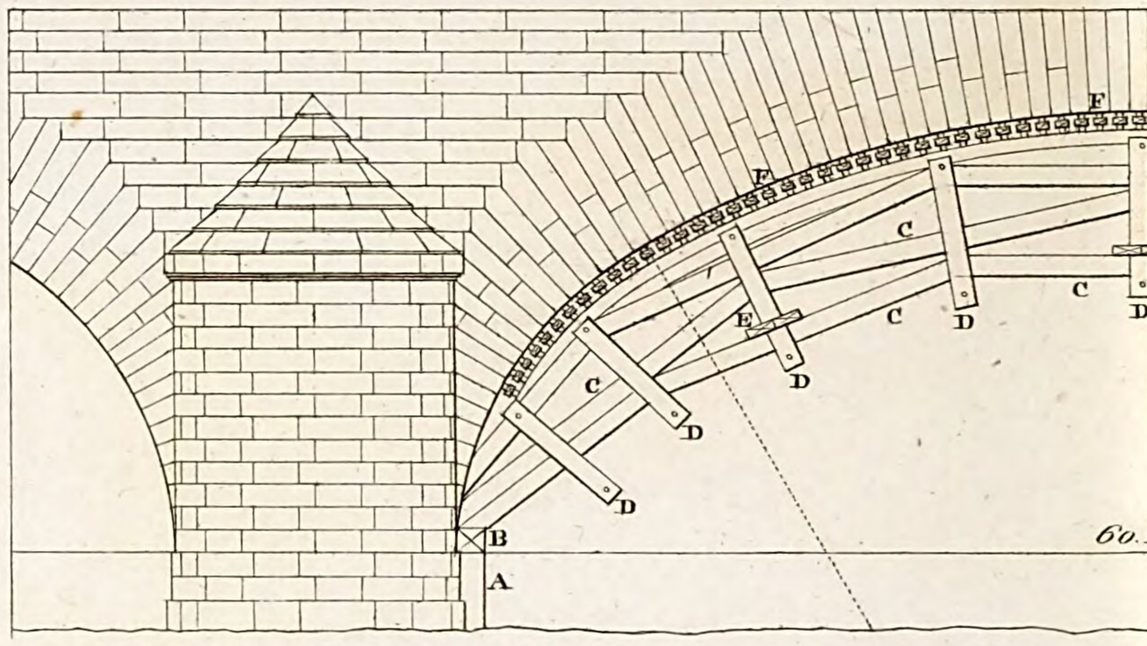
Lehrbogen, auf dieser

und der folgenden Tafel.

A. *Widerlagssäulen.*

B. *Holme.*

Bogen der Brück

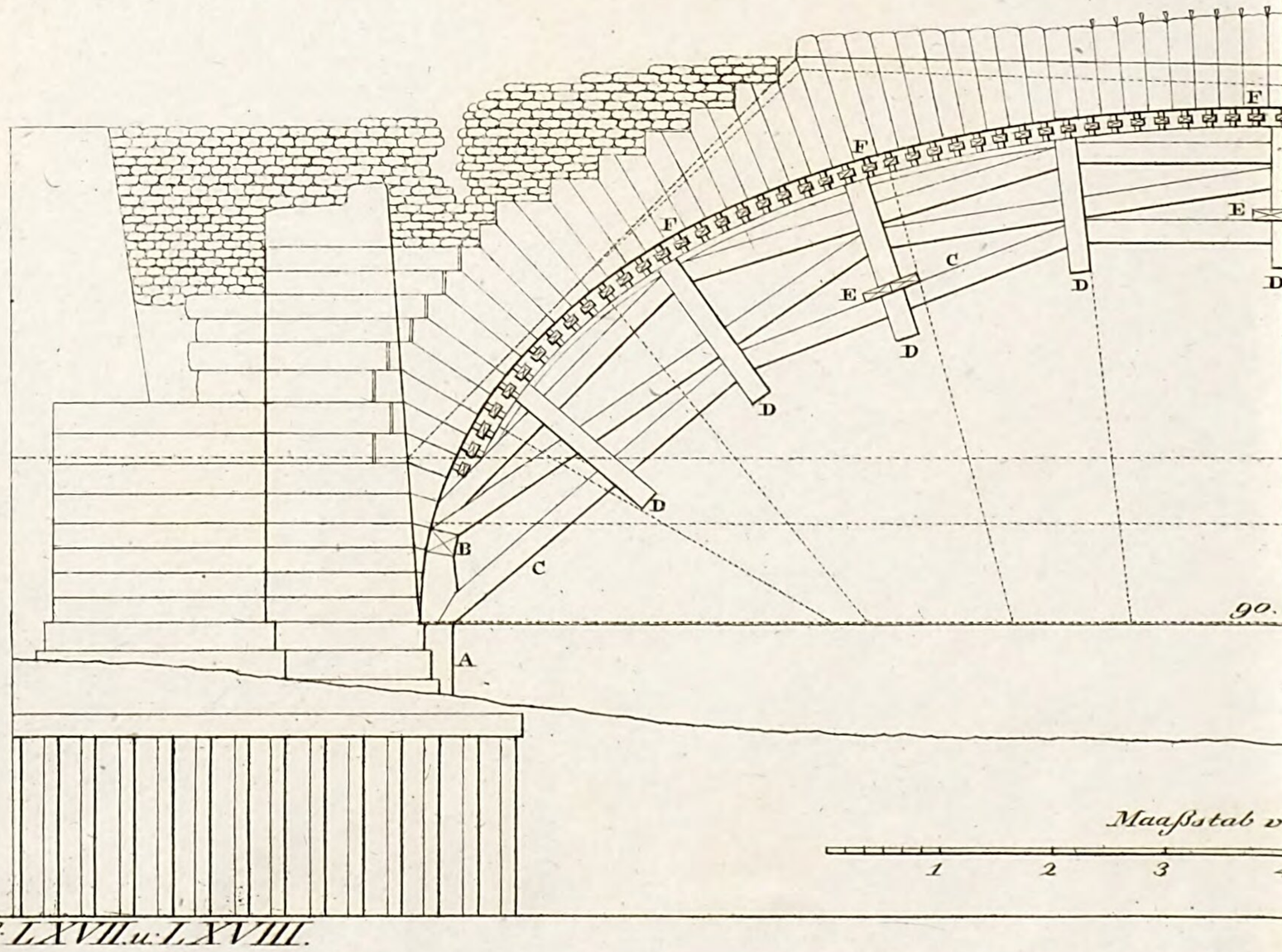


Maaßstab

1 2

St: Edmunds Brücke zu Nogent an

Ansicht vor Wegnahme des Lehrbogen.

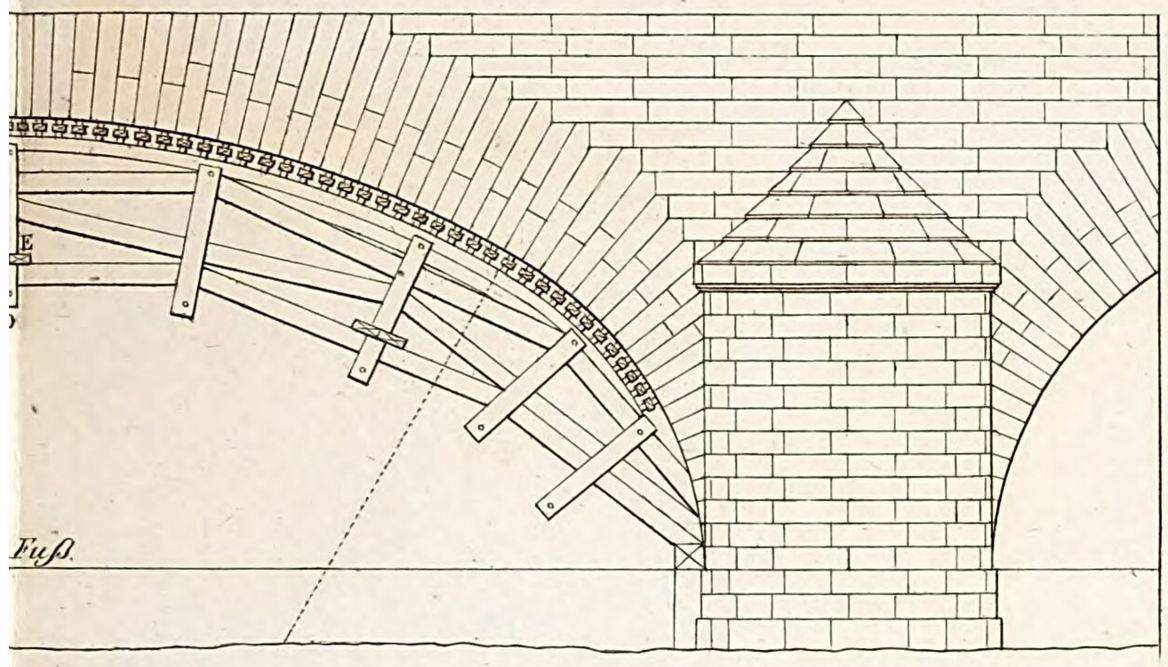


Maaßstab

1 2 3

Im Orig: Taf: LXVII. u. LXVIII.

ke bei Cravant.



C. *Hängebänder.*

D. *Hängesäulen.*

E. *Zangen.*

F. *Schalhölzer und Keile.*

G. *Riegelhölzer im Lehrbogen*

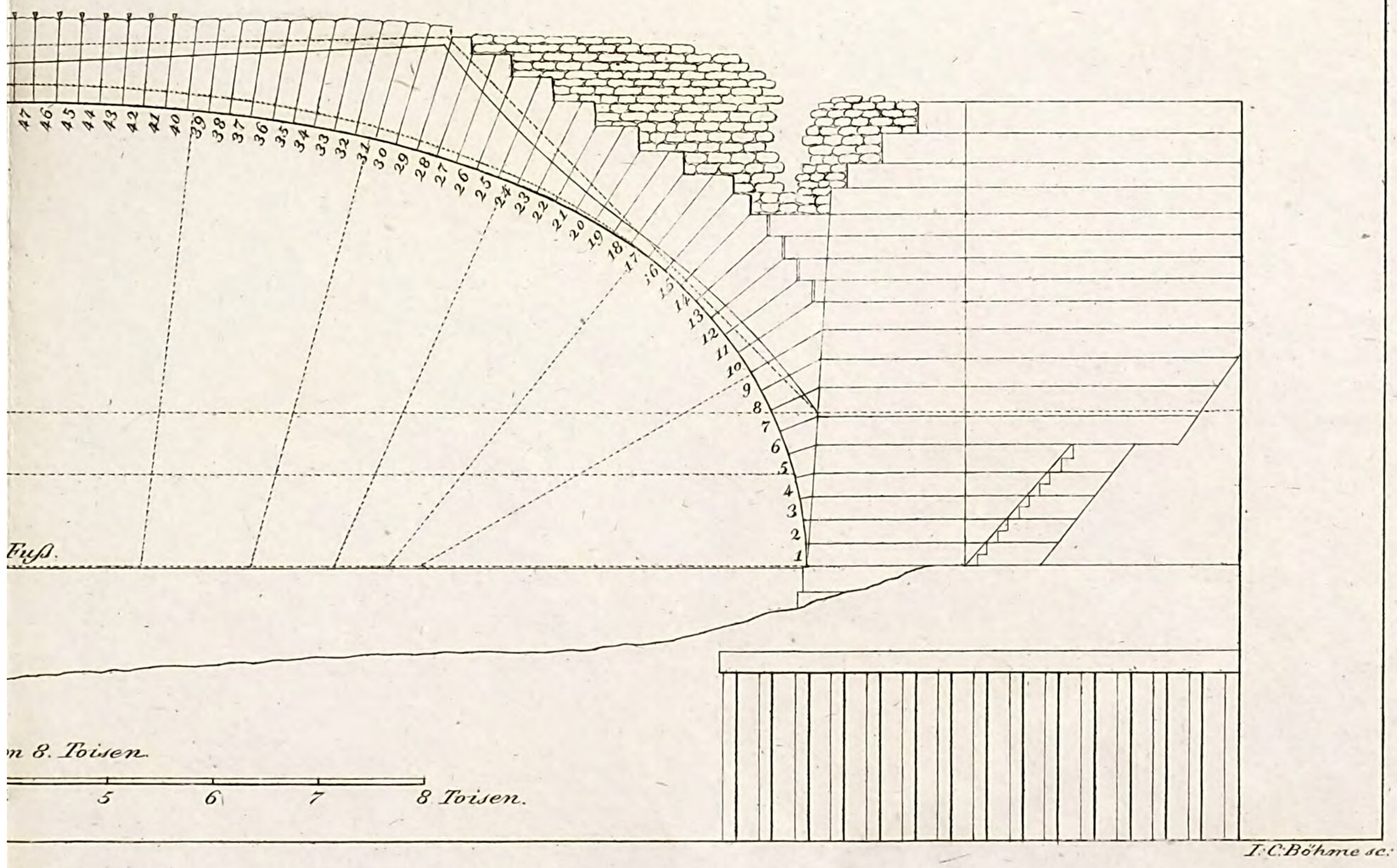
der Brücke bei Neuilli.

on 6. Toisen.

4 5 6 Toisen

der Seine, erbaut im Jahre 1768.

Ansicht nach Wegnahme des Lehrbogen.



n 8. Toisen.

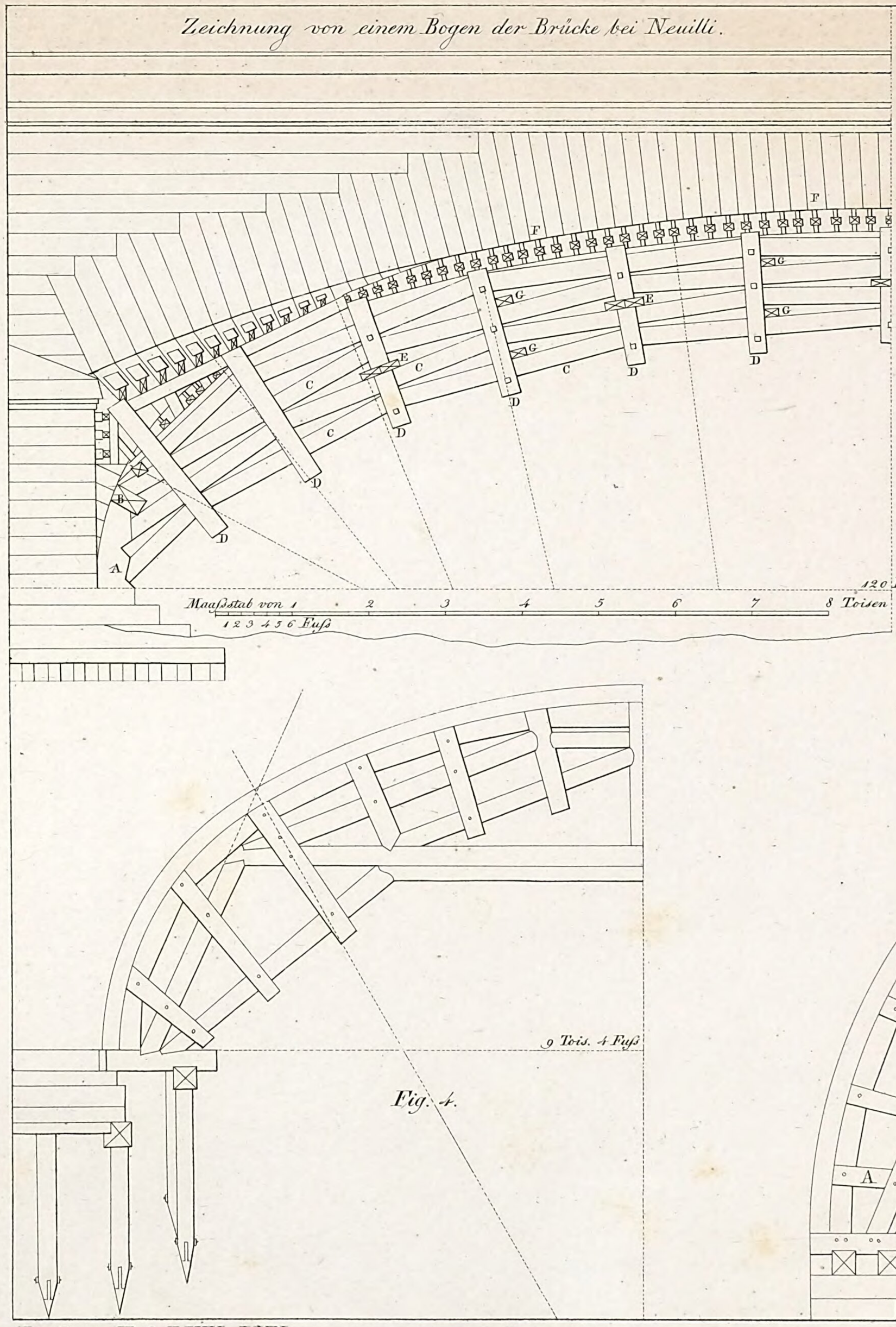
5 6 7 8 Toisen.

J. C. Böhme sc.

LB
Cob

L3
Cob

Zeichnung von einem Bogen der Brücke bei Neuilli.



Im Orig. Taf. LXIX. LXX.

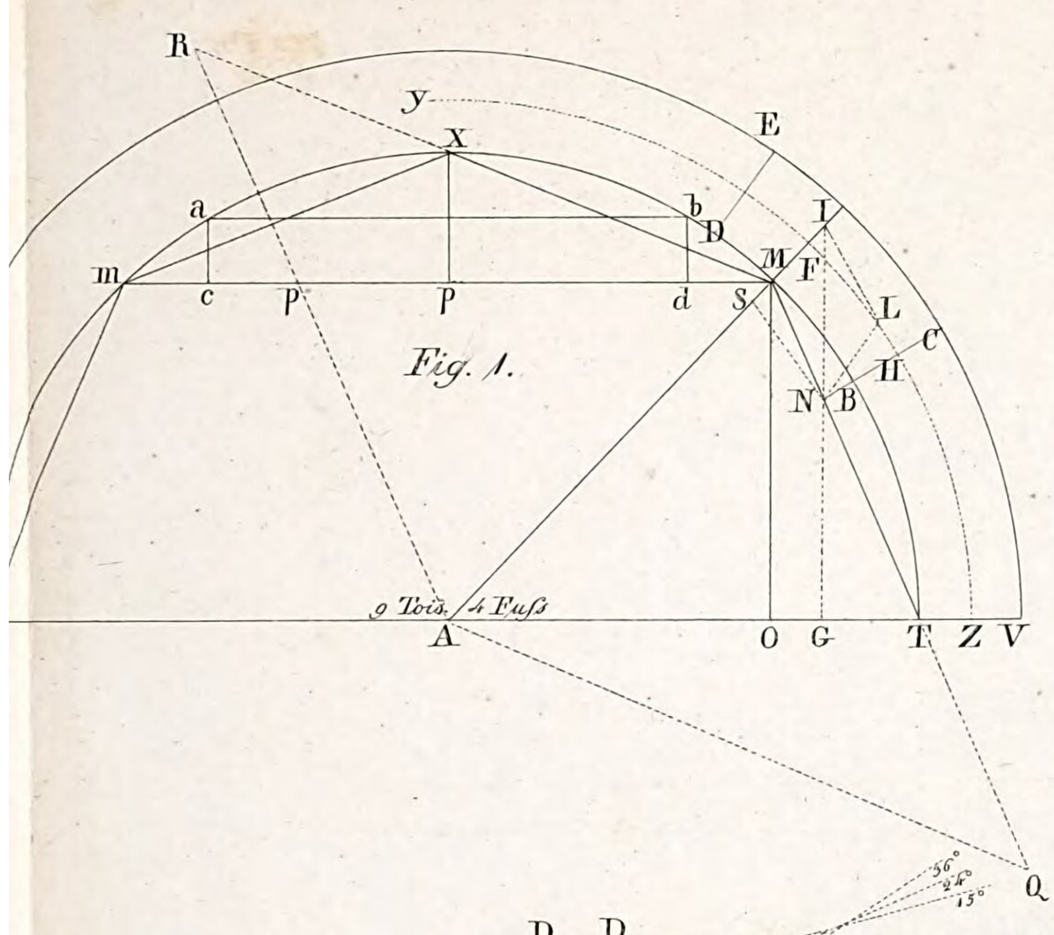


Fig. 1.

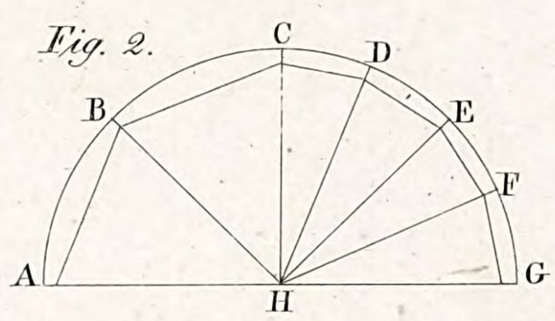


Fig. 2.

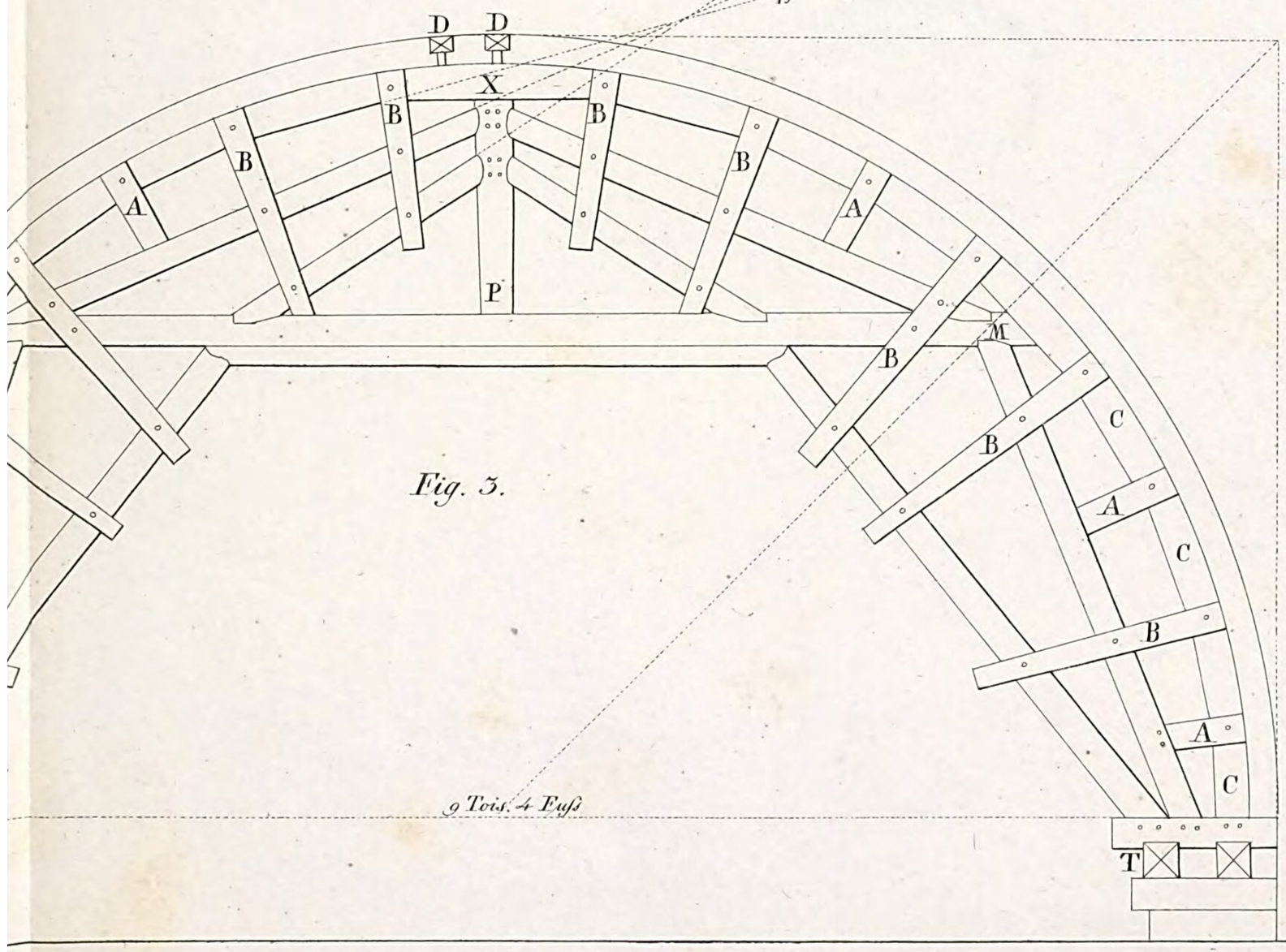


Fig. 3.

I. G. Sturm sc.

Coburger
Landes-
Bücherei

LB
Cob

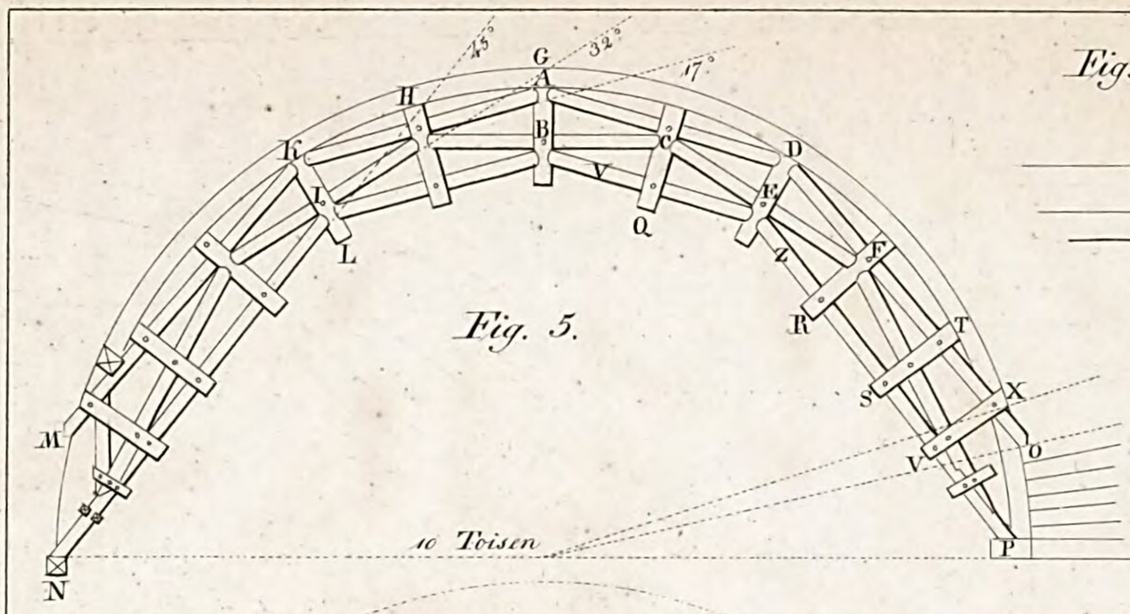
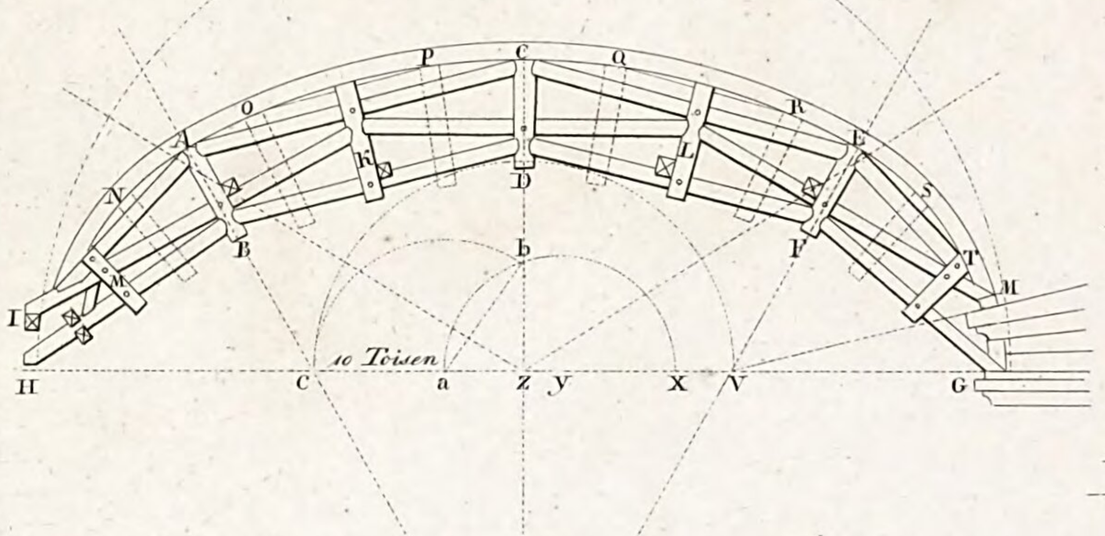


Fig. 5.



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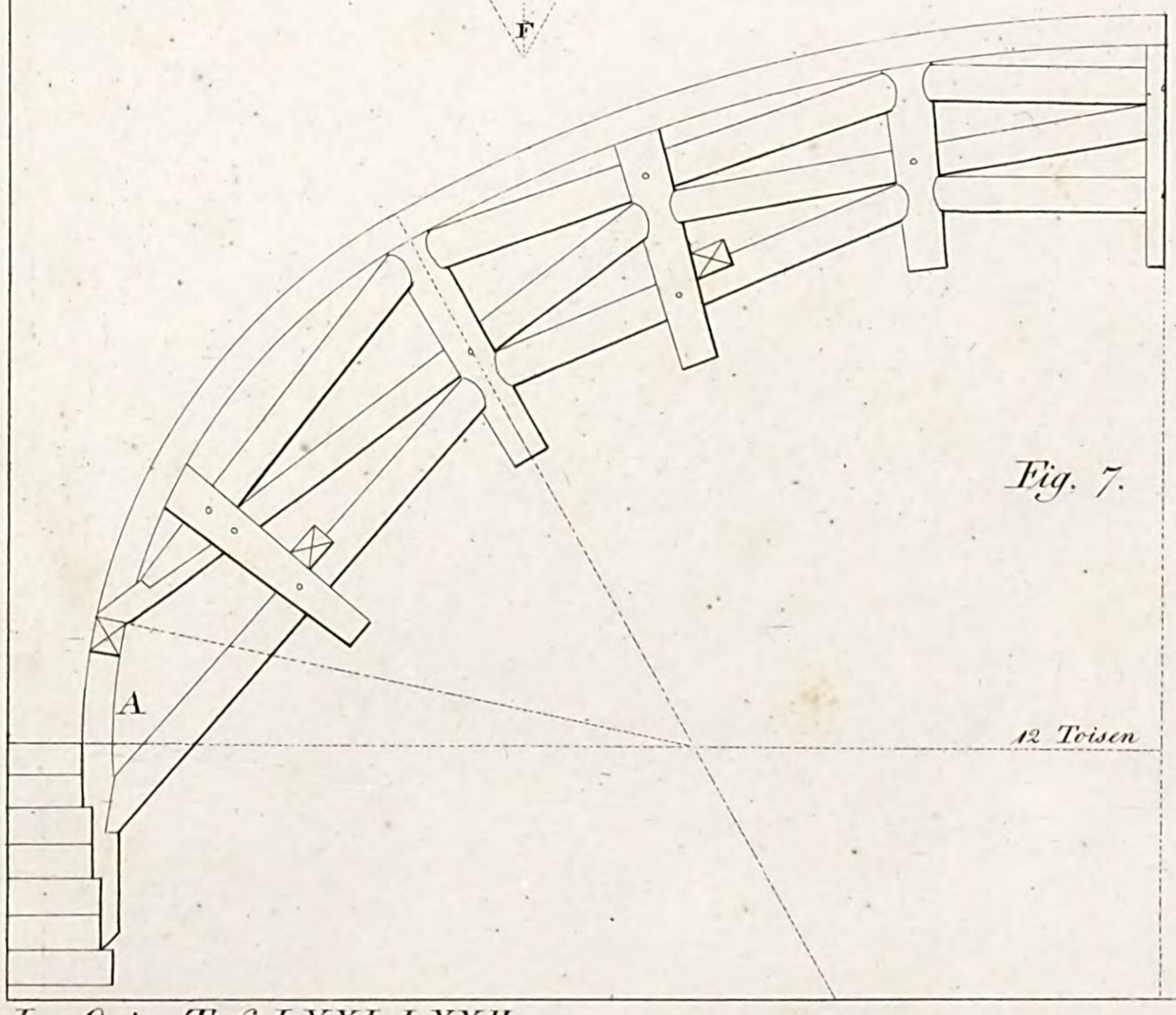

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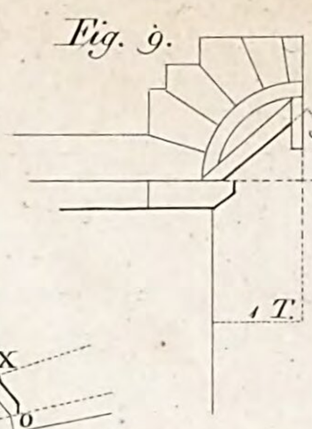


Fig. 9.

Fig. 10.

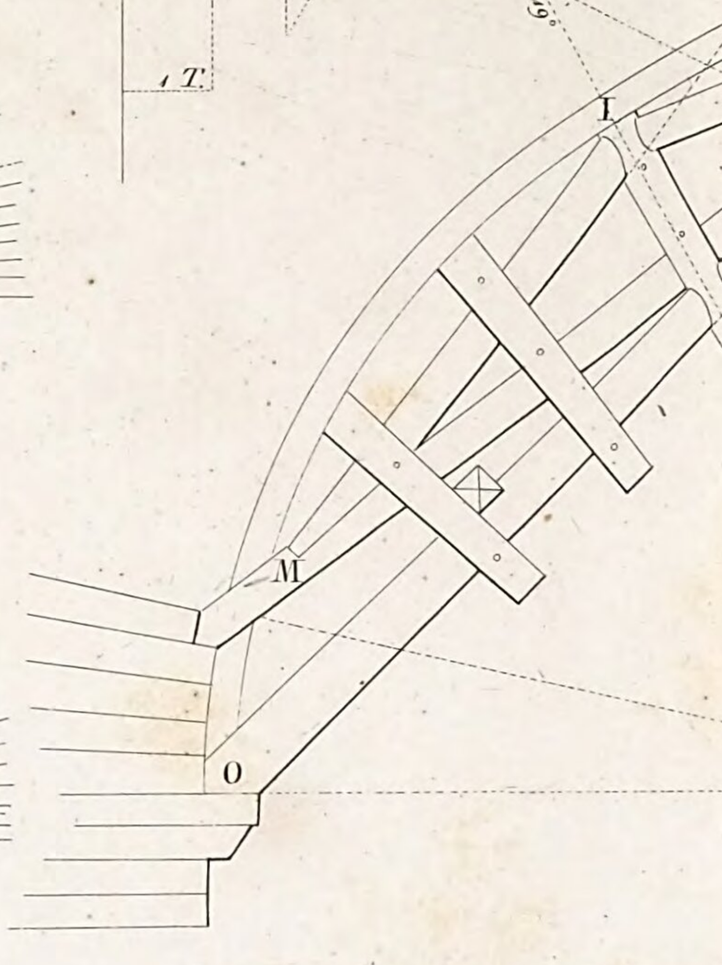


Fig. 17.

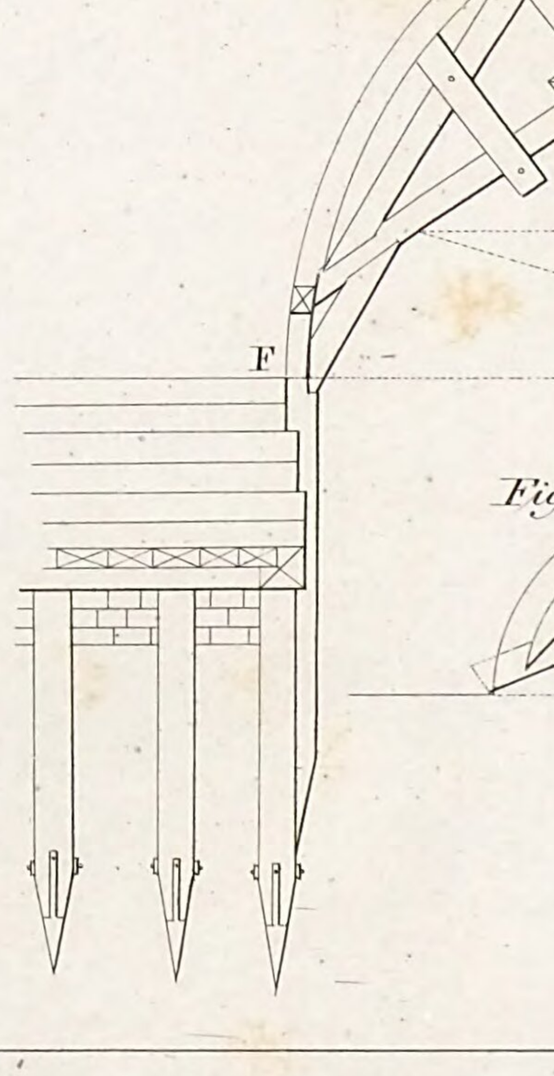


Fig.

Im Orig. Taf. LXXI. LXXII.

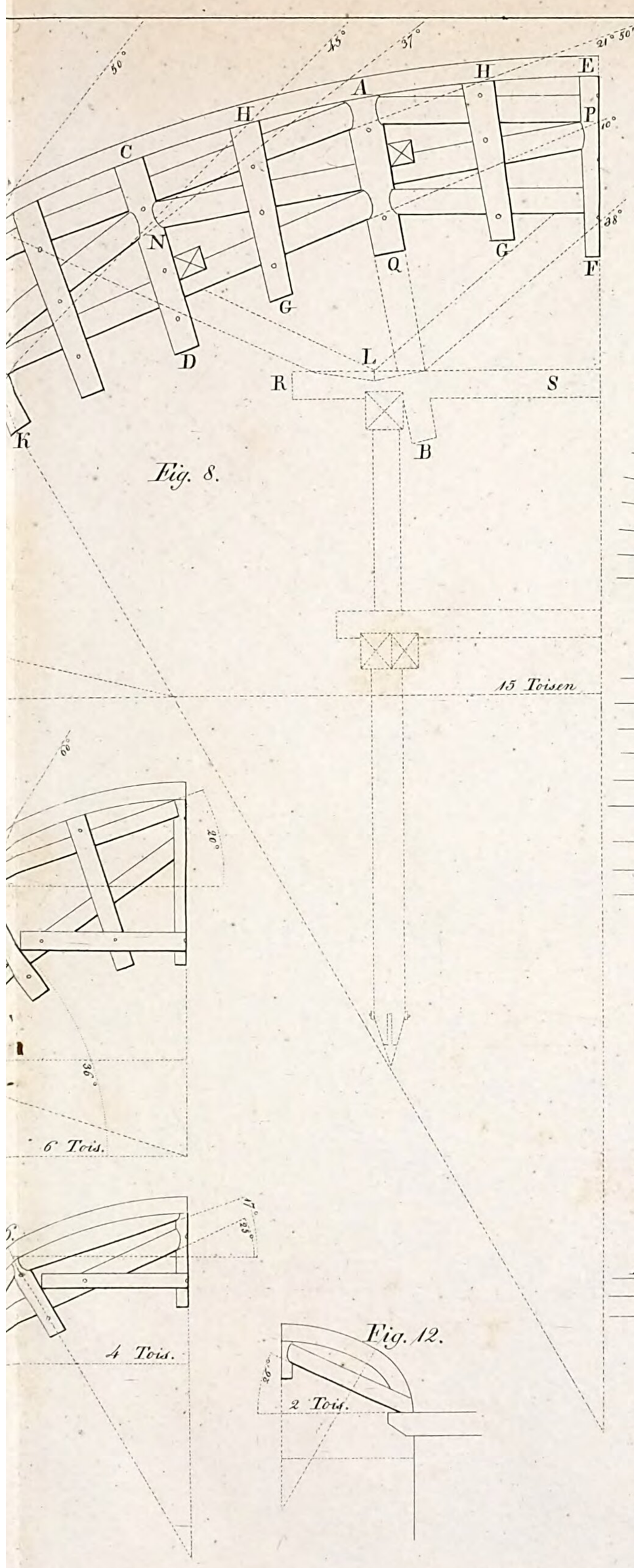


Fig. 8.

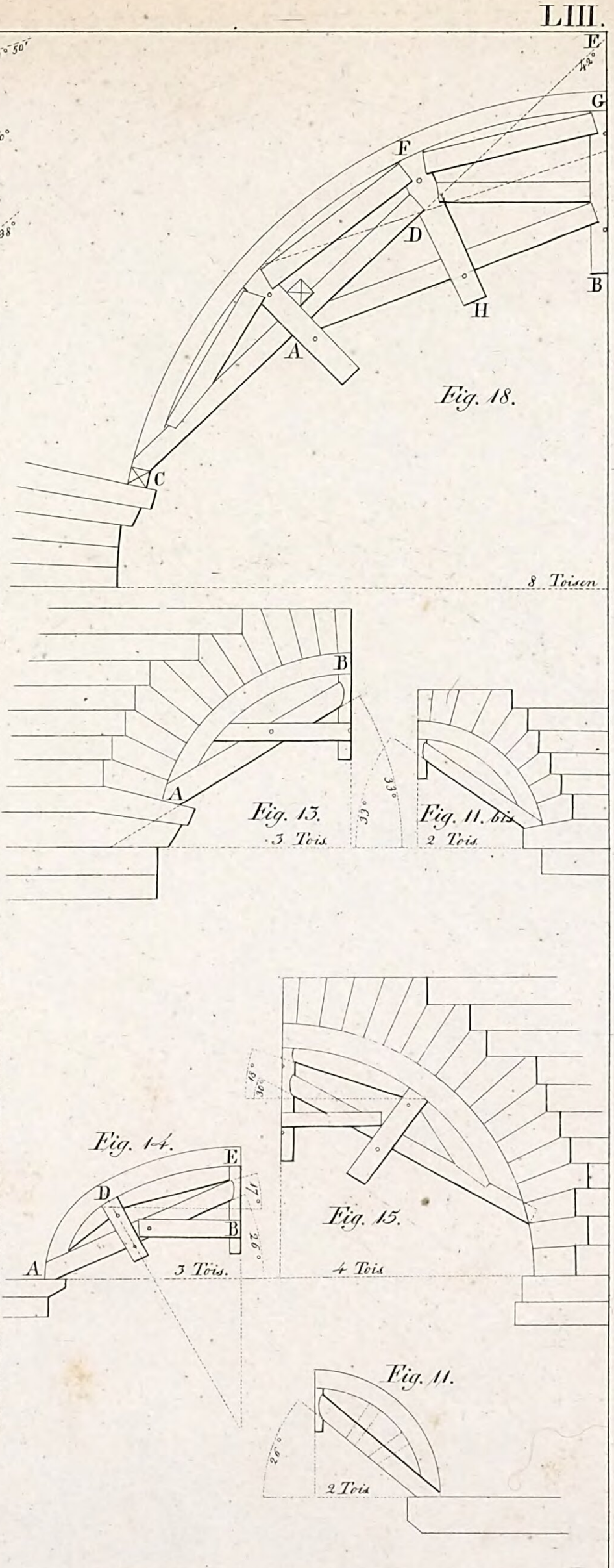


Fig. 18.

Fig. 13.

Fig. 11. bis

Fig. 14.

Fig. 15.

Fig. 12.

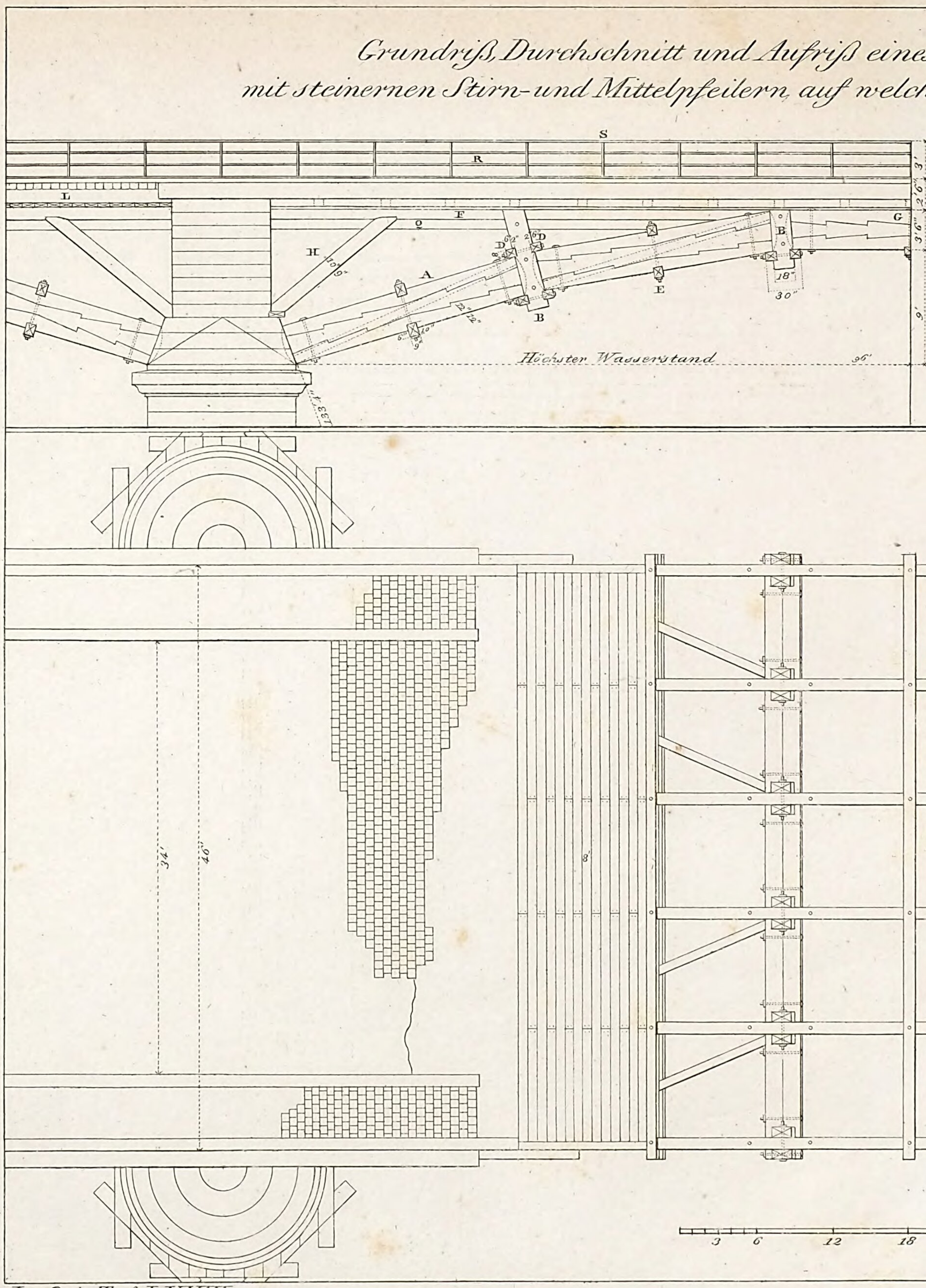
Fig. 11.

I.G. Sturm sc.

LB
C06

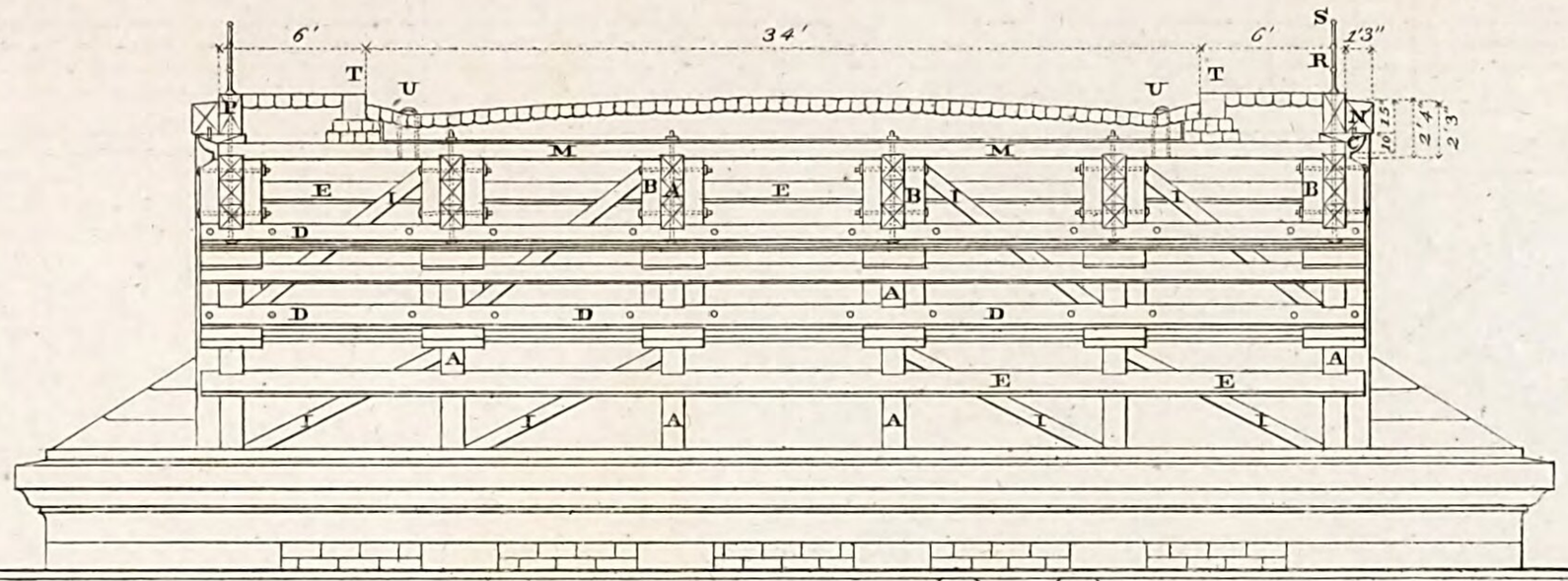
LB
Cob

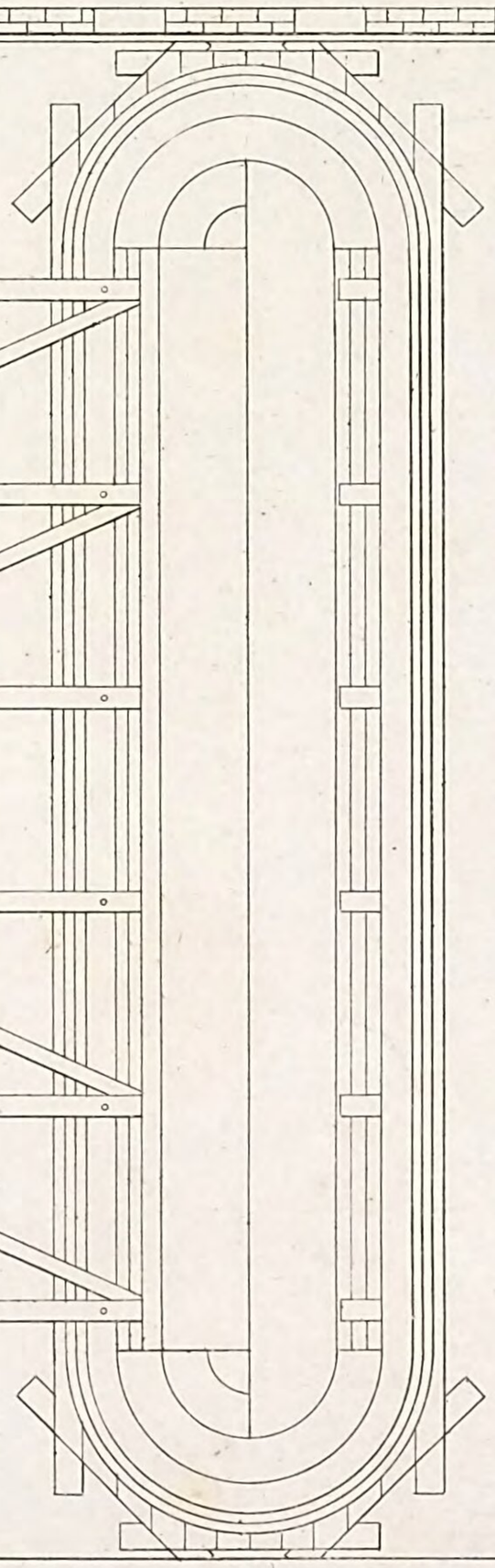
Grundriß, Durchschnitt und Aufriß eines
mit steinernen Stirn- und Mittelpfeilern, auf welch

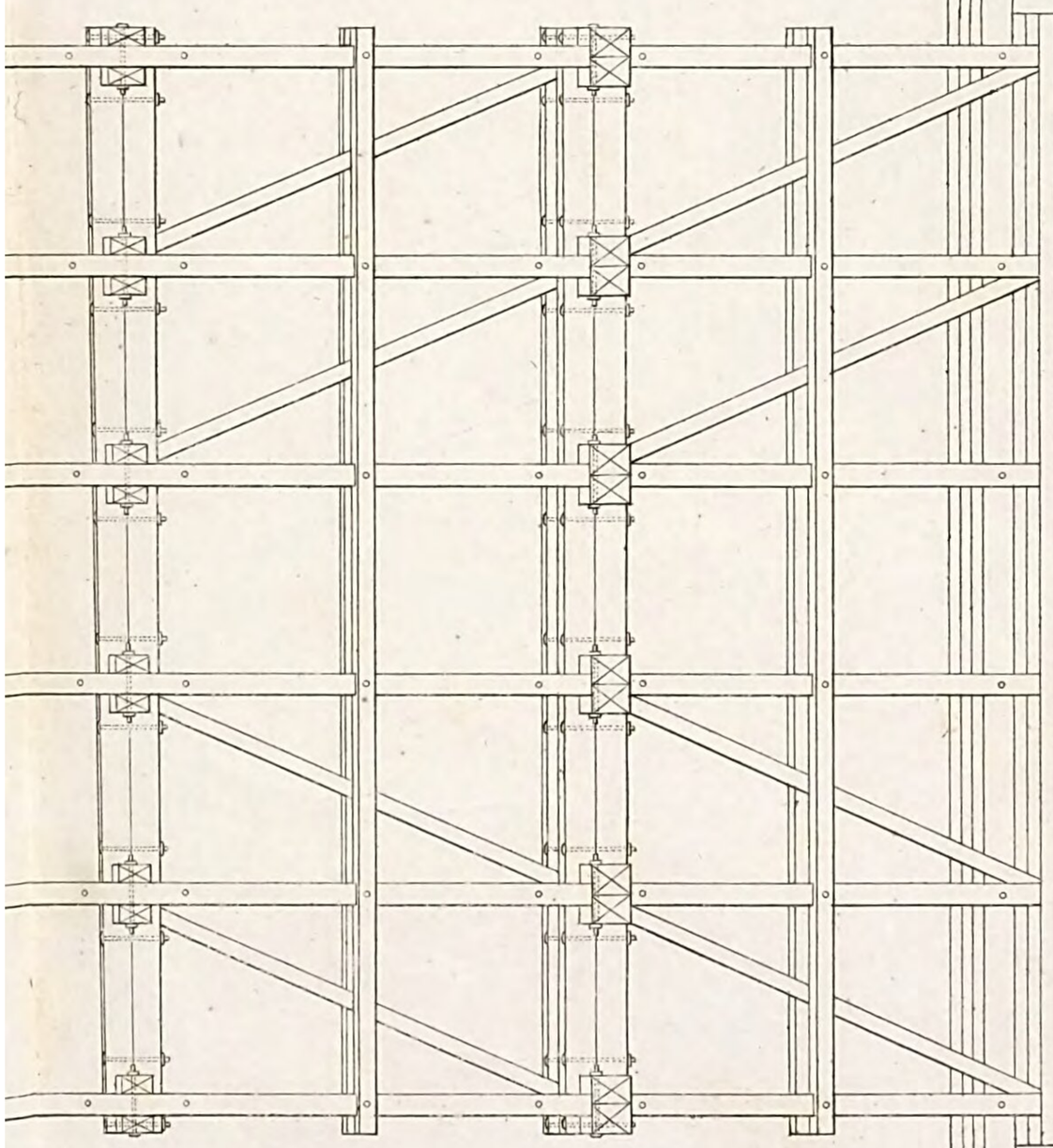


Im Orig: Taf: LXXIII.

Fuß weiten Joches, einer hölzernen Brücke,
nächterhin eben solche Bogen aufgeführt werden sollen.







I.C.Böhme sc.

LB
Coburg

BSB Bayerische StaatsBibliothek
MDZ Münchener DigitalisierungsZentrum Digitale Bibliothek

Perronet, Jean-Rodolphe,

Perronet's Werke die Beschreibung der Entwürfe und der Bauarten der Brü cken bei Neuilli, Mantes, Orleans, Ludwigs XVI. &c., den Entwurf des Burgundischen Kanals und den der Wasserleitung von der Yvette und Bievre nach Paris, so wie mehrere einzelne Abhandlungen, enthaltend
Bd.: [2]

1820

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